Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Celsius Energy Company 307-382-9791

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
NW SW, 1250' FWL, 1480' FSL
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Ucolo

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3-36S-26E, SLB&M

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 20 miles south and west of Dove Creek, Colorado

12. COUNTY OR PARISH: San Juan
13. STATE: Utah

| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) | 16. NO. OF ACRES IN LEASE | 17. NO. OF ACRES ASSIGNED TO THIS WELL |
|---|---|---|
| 466'* | 974.33 | N/A |
| **18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.** | **19. PROPOSED DEPTH** | **20. ROTARY OR CABLE TOOLS** |
| N/A | 5805' SAU | Rotary |

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 6059'

22. APPROX. DATE WORK WILL START*
Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|---|---|---|---|---|
| 12-1/4 | 9-5/8 | 36 | 1450' | 800 sks w/2% CaCl & 1/4# flocele |
| 8-3/4 | 7 | 23 | 5805' | To be determined |

See attached drilling plan.

NOTE: This APD also serves as a right-of-way application (refer to Surface Use Plan, Item No. 2 and to attached map).

* The offset owners to this location are the same as the working interest owners in this well within a distance of 1/2 mile.

C-3-(P)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4-4-83
BY: [signature]

RECEIVED
APR 01 1983
DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED [signature] TITLE President DATE 3-29-83

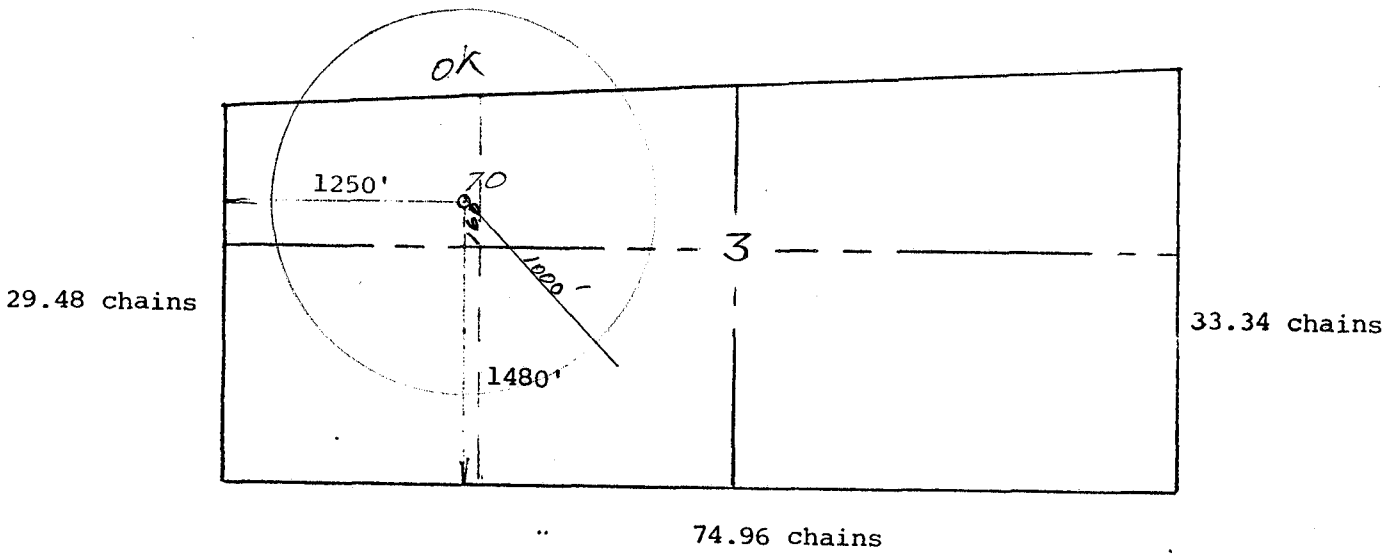
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

POWERS ELEVATION


| | | | |
|---|---|---|---|
| Operator<br>Celsius Energy Company | | Well name<br>Ucolo Well No. 1 | |
| Section<br>3 | Township<br>36 South | Range<br>26 East | Meridian<br>SLM |
| Footages<br>1250'FWL & 1480'FSL | | | County/State<br>San Juan, Utah |
| Elevation<br>6060' | Requested by<br>Jennifer Head | | |

The above plat is true and correct to the best of my knowledge and belief.

13 Jan. '83

Gerald G. Huddleston

Gerald G. Huddleston, L.S.

Utah Exception

Drilling Plan
Celsius Energy Company
Ucolo Well No. 1
San Juan County, Utah

1. SURFACE FORMATION: Morrison

2 & 3. ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:

| | | |
|---|---|---|
| Entrada | 500' | |
| Carmel | 635' | |
| Navajo | 685' | - fresh water |
| Chinle | 1,325' | |
| Shinarup | 2,090' | |
| Cutler | 2,320' | |
| Honaker Trail | 4,000' | - possible gas |
| Paradox | 4,730' | |
| Ismay (base 2nd shale) | 5,400' | - possible gas |
| Ismay Shale | 5,460' | |
| B Zone Shale | 5,595' | |
| Desert Creek | 5,655' | |
| Lower Bench, Desert Creek | 5,705' | |
| Desert Creek Porosity | 5,715' | - possible oil |
| Salt | 5,800' | |

4. CASING PROGRAM:

| Footage | Size | Grade | Wt. | Condition | Thread | Cement |
|---|---|---|---|---|---|---|
| 1,450' | 9-5/8 | K-55 | 36 | New | 8rd, ST&C | 800 sks w/2% Cacl & 1/4# flocele |
| 5,805' | 7 | K-55 | 23 | New | 8rd, ST&C | To be determined |

5. PRESSURE CONTROL EQUIPMENT: (See attached diagram) Operator's minimum specifications for pressure control equipment requires a 10-inch 3000 psi double gate blowout preventer. Surface casing and all preventer rams will be pressure tested to 2500 psi for 15 minutes using rig pump and mud. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.

6. MUD PROGRAM: Gel water base mud from surface to TD.

Sufficient mud materials to maintain mud properties, control lost circulation and to contain blowout will be available at the wellsite.

7. AUXILIARY EQUIPMENT:

a) Manually operated kelly cock
b) No floats at bit
c) Monitoring of mud system will be visual
d) Full opening floor valve manually operated

8. LOGGING: DIL-SFL and CNL/FDC from surface to TD

TESTING: Two DST's in Honaker Trail, one DST each in Ismay and Desert Creek

CORING: Desert Creek Porosity from 5700' to 5760'

9. ABNORMAL PRESSURE AND TEMPERATURE: Pressures of 3600 to 3700 psi expected in Desert Creek Porosity, BHT of 140°F.

10. ANTICIPATED STARTING DATE: Upon approval

DURATION OF OPERATION: 23 days

CHECKLIST 3000psi EQUIPMENT

The _____ ——County

Contractor and operator to furnish items shaded (s)

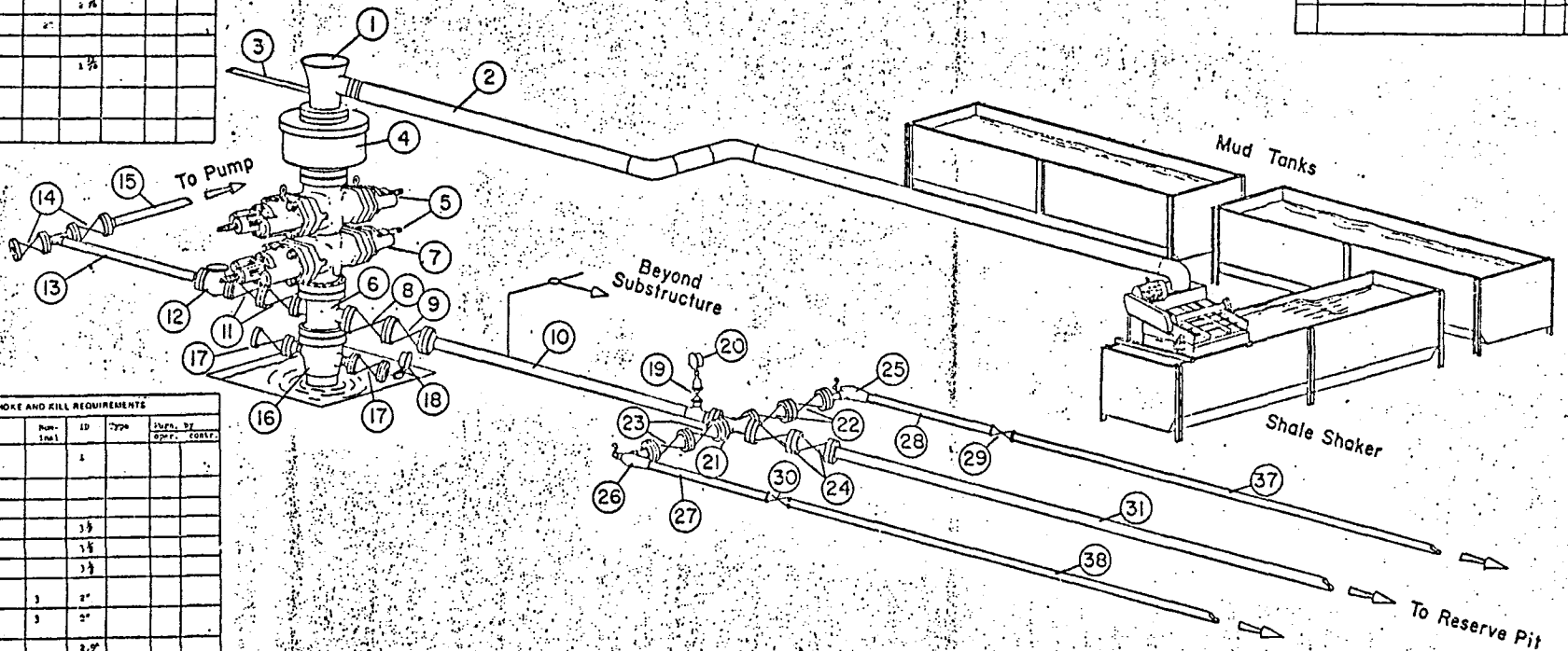
| STANDARD STACK REQUIREMENTS | | | | | | |
|---|---|---|---|---|---|---|
| No. | Item | Nominal | ID | Type | Furn. by Oper. | Furn. by Contr. |
| 1 | Drilling Nipple | | | | | |
| 2 | Flowline | | | | | |
| 3 | Fill up line | 2" | | | | |
| 4 | Annular Preventor | | | Hydril Cameron Shaffer | | |
| 5 | Two single or one dual hyd. oper. rams | | | U. GK. F. LWS | | |
| 6 | Drilling Spool with 2" and 3" outlets | | | Forged | | |
| 7 | As Alternate to (6) Run end drill lines from outlets in this ram. | | | | | |
| 8 | Valve Gate | | 3⅛ | | | |
| 9 | Valve-Hydraulically operated gate | | 3⅛ | | | |
| 10 | Choke Line | | 2.9 | | | |
| 11 | Gate Valves | | 2⅛ | | | |
| 12 | Check Valve | | 2⅛ | | | |
| 13 | Kill line | 2" | | | | |
| 14 | Valve-Gate | | 2⅛ | | | |
| 15 | Kill line to Pump | 2" | | | | |
| 16 | Casing Head | | | | | |
| 17 | Valves Gate___ Plug___ | | 1⅛ | | | |
| 18 | Compound Pressure Gauge | | | | | |
| | Wear Bushing | | | | | |

| SPECIAL CHOKE AND KILL REQUIREMENTS | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SPECIAL STACK REQUIREMENTS | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

# MOUNTAIN FUEL SUPPLY COMPANY

## 3000 psi BLOWOUT PREVENTION EQUIPMENT




| STANDARD CHOKE AND KILL REQUIREMENTS | | | | | | |
|---|---|---|---|---|---|---|
| No. | Item | Nominal | ID | Type | Furn. by Oper. | Furn. by Contr. |
| 19 | Valve Gate___ Plug___ | | 3 | | | |
| 20 | Compound Pressure | | | | | |
| 21 | Cross 3"x3 | | | | | |
| 22 | Valve Gate | | 3⅛ | | | |
| 23 | Valve Gate | | 3⅛ | | | |
| 24 | Valve Gate | | 3⅛ | | | |
| 25 | Choke Line Hyd or equivalent | 3 | 2" | | | |
| 26 | Choke Line Hyd or equivalent | 3 | 2" | | | |
| 27 | Line to Separator | | 2.9" | | | |
| 28 | Line to Separator | | 2.9" | | | |
| 29 | Valve Gate | | 3⅛ | | | |
| 30 | Valves Gate | | 3⅛ | | | |
| 31 | Line to Res. Pit | | 2.9" | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 37 | Line to Res. | | 2.9" | | | |
| 38 | Line to Res. Pit | | 2.9" | | | |

OPERATOR CELSIUS ENERGY CO DATE 4-1-83

WELL NAME UCOLO #1

SEC NW SW 3 T 36S R 26E COUNTY SAN JUAN

| 43-037-30874 | FED |
|---|---|
| API NUMBER | TYPE OF LEASE |

POSTING CHECK OFF:

| | | |
|---|---|---|
| ☑ INDEX | ☑ HL | ☑ |
| ☐ NID | ☑ PI | ☐ |
| ☑ MAP | ☑ | ☐ |

PROCESSING COMMENTS:

IRREGULAR SECTION - NO OIL WELLS WITHIN 1000'

PJF ✓

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE

☐ c-3-b ☒ c-3-c

SPECIAL LANGUAGE:

- [✓] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- [ ] AUTHENTICATE LEASE AND OPERATOR INFORMATION
- [ ] VERIFY ADEQUATE AND PROPER BONDING
- [✓] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- [ ] APPLY SPACING CONSIDERATION
  - [ ] ORDER NO
  - [ ] UNIT NO
  - [ ] c-3-b
  - [X] c-3-c
- [✓] CHECK DISTANCE TO NEAREST WELL.
- [✓] CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- [✓] IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- [✓] IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

# CELSIUS ENERGY COMPANY

P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2600

April 4, 1983



State of Utah
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Gentlemen:

Re: Ucolo Well #1
San Juan County, Utah

Celsius Energy Company has filed an Application for a Permit to Drill Ucolo Well #1 at a location in Lot 4 ($NW\frac{1}{4}SE\frac{1}{4}$) of Section 3, Township 36 South, Range 26 East, SLM, San Juan County, Utah. The location filed does not meet the rules and regulations of the State of Utah and we hereby request approval of this exception location for topographic reasons. The well is located in the bottom of a steep-walled canyon and this drill site is the closest possible to the pattern location, and it has been approved by the BLM who control the surface.

The offsetting owners to this exception location are the same as the Working Interest Owners in Ucolo Well #1. Because of an obligation to commence drilling as soon as possible, we would appreciate your earliest approval for this exception.

Very truly yours,

R. E. Pittam
Senior Staff Landman

REP:rh

Requested a more
complete c-3-c
as per Jennifer
4-4-83

Rec'd 4-4-83

April 4, 1983

Celsius Energy Company
P. O. Box 458
Rock Springs, Wyoming 82901

RE: Well No. Ucolo #1
NWSW Sec. 3, T. 36S, R. 26E
1480' FSL, 1250' FWL
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30874.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Oil & Gas Operations
Enclosure

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

UNITED STATES DEPARTMENT OF THE INTERIOR
OIL & GAS OPERATIONS
RECEIVED
1983
SALT LAKE CITY, UTAH

# APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
APR 14 1983
DIVISION OF OIL, GAS & MINING

| | |
|---|---|
| 1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ] | 5. LEASE DESIGNATION AND SERIAL NO.: U-39254 |
| b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ] | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -- |
| | 7. UNIT AGREEMENT NAME: -- |
| | 8. FARM OR LEASE NAME: Ucolo |
| 2. NAME OF OPERATOR: Celsius Energy Company | 9. WELL NO.: 1 |
| 3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, Wyoming 82901 | 10. FIELD AND POOL, OR WILDCAT: Wildcat |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface: NW SW, 1250' FWL, 1480' FSL; At proposed prod. zone | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 3-36S-26E, SLB&M |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 20 miles south and west of Dove Creek, Colorado | 12. COUNTY OR PARISH: San Juan; 13. STATE: Utah |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 466'* | 16. NO. OF ACRES IN LEASE: 974.33; 17. NO. OF ACRES ASSIGNED TO THIS WELL: N/A |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: N/A | 19. PROPOSED DEPTH: 5805'; 20. ROTARY OR CABLE TOOLS: Rotary |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6059' | 22. APPROX. DATE WORK WILL START*: Upon approval |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|---|---|---|---|---|
| 12-1/4 | 9-5/8 | 36 | 1450' | 800 sks w/2% CaCl & 1/4# flocele |
| 8-3/4 | 7 | 23 | 5805' | To be determined |

See attached drilling plan.

NOTE: This APD also serves as a right-of-way application (refer to Surface Use Plan, Item No. 2 and to attached map).

* The offset owners to this location are the same as the working interest owners in this well within a distance of 1/2 mile.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED M Kuick TITLE President DATE 3-29-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W Martens FOR E. W. GUYNN TITLE DISTRICT OIL & GAS SUPERVISOR DATE APR 11 1983

CONDITIONS OF APPROVAL, IF ANY:

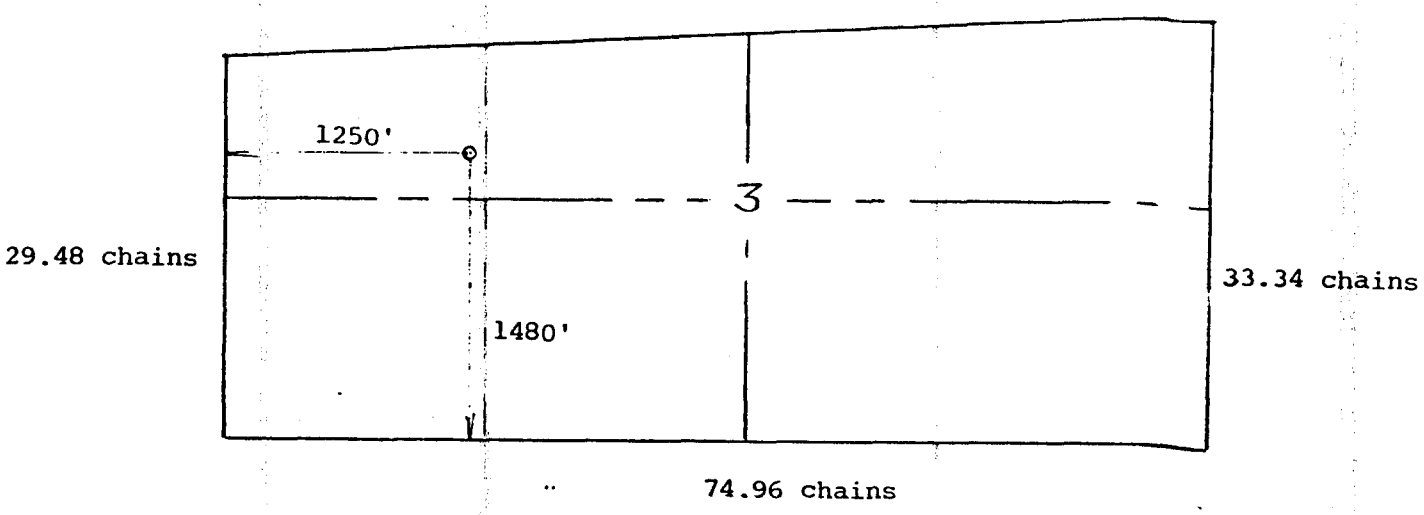
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

State 046

POWERS ELEVATION




| | | | |
|---|---|---|---|
| Operator: Celsius Energy Company | | Well name: Ucolo Well No. 1 | |
| Section: 3 | Township: 36 South | Range: 26 East | Meridian: SLM |
| Footages: 1250'FWL & 1480'FSL | | | County/State: San Juan, Utah |
| Elevation: 6060' | Requested by: Jennifer Head | | |

The above plat is true and correct to the best of my knowledge and belief.

13 Jan. '83

Gerald G. Huddleston, L.S.

Utah Exception

DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

NAME OF COMPANY: Celsius

WELL NAME: Ucolo #1

SECTION NWSW 3 TOWNSHIP 36S RANGE 26E COUNTY San Juan

DRILLING CONTRACTOR Arapahoe

RIG # 2

SPUDDED: DATE 4-28-83

TIME 11:00 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Kathy

TELEPHONE # 307-382-9791

DATE 4-29-83 SIGNED AS

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Celsius Energy Company

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW SW, 1250' FWL, 1480' FSL

5. LEASE DESIGNATION AND SERIAL NO.: U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Ucolo

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 3-36S-26E-SLB&M

14. PERMIT NO.: API 43-037-30874

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6055' KB 6067.70'

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) Supplementary History | | | [X] |
| (Other) | | | [ ] | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

TD 4690', drilling.

Landed 9-5/8" OD, 36#, K-55, 8 round thread, ST&C casing at 1419.96' KBM, cemented with 400 sacks Howco Lite with additives, tailed in with 270 sacks Regular B cement with additives, displaced with 110 barrels fresh water, good returns, cement in place at 7:00 P.M., 5/2/83.

DST #1: 4549'-4595'. Honaker Trail, IO 30 mins, ISI 60 mins, FO 120 mins, FSI 240 mins, opened weak to strong in 5 mins, gas to surface in 19 mins, 30 mins 148 psi 240 MCF gas, reopened weak, recovered 200' gas cut mud, IHP 2150, IOFP's 150-315, ISIP 2021, FOFP's 158-511, FSIP 2066, FHP 2135, final gas reading 567 MCF.

RECEIVED
MAY 13 1983
DIV. OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED A.J. Mauer TITLE Drilling Superintendent DATE May 10, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Phone
713-790-9132

# LYNES, INC.

Box 12486
Houston, TX 77017

Operator Celsius Energy Co.
Address See Distribution
Well Name and No. Ucolo #1
Ticket No. 04154
Date 5/10/83
DST No. 1
No. Final Copies 21

| | | | |
|---|---|---|---|
| Contractor | Arapahoe Drilling | Top Choke | 1/4" |
| Rig No. | 2 | Bottom Choke | 1" |
| Spot | NW-SW | Size Hole | 8 3/4" |
| Sec. | 3 | Size Rat Hole | -- |
| Twp. | 36S | Size & Wt. D. P. | 4" FH 14.00 |
| Rng. | 26E | Size Wt. Pipe | -- |
| Field | Bug | I. D. of D. C. | 2 1/4" |
| County | San Juan | Length of D. C. | 534 Ft. |
| State | Utah | Total Depth | 5800 Ft. |
| Elevation | 6068 Ft. K.B. | Interval Tested | 4550-4595 Ft. |
| Formation | Honaker Trail | Type of Test | Bottom Hole Conventional |

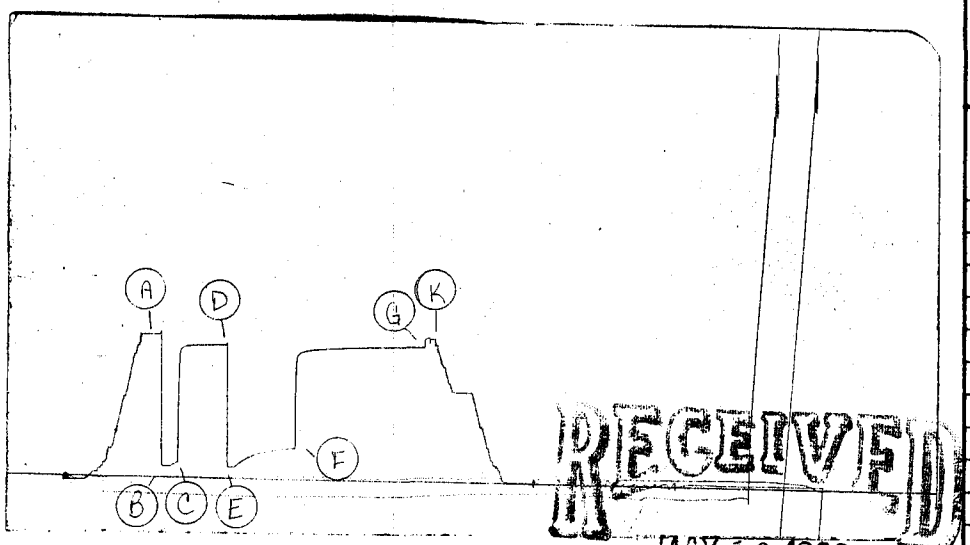
| | | |
|---|---|---|
| Flow No. 1 | 30 | Min. |
| Shut-in No. 1 | 90 | Min. |
| Flow No. 2 | 130 | Min. |
| Shut-in No. 2 | 240 | Min. |
| Flow No. 3 | -- | Min. |
| Shut-in No. 3 | -- | Min. |
| Bottom Hole Temp. | 113.8°F | |
| Mud Weight | 8.9 | |
| Gravity | -- | |
| Viscosity | 33 | |

Tool opened @ 9:06 A.M.

Outside Recorder

PRD Make Kuster K-3
No. 23883 Cap 6800 @ 4570'

| | | Press Corrected |
|---|---|---|
| Initial Hydrostatic | A | 2119 |
| Final Hydrostatic | K | 2097 |
| Initial Flow | B | 198 |
| Final Initial Flow | C | 263 |
| Initial Shut-in | D | 1986 |
| Second Initial Flow | E | 189 |
| Second Final Flow | F | 472 |
| Second Shut-in | G | 1980 |
| Third Initial Flow | H | -- |
| Third Final Flow | I | -- |
| Third Shut-in | J | -- |
| Extrapolated FSI (Recorder #1622) | | 2044.5 (psi) |






Lynes Dist.: Rock Springs, WY
Our Tester: Lance Sipma
Witnessed By: Howard Leeper

Did Well Flow – Gas Yes Oil No Water No

RECOVERY IN PIPE:

200 Ft. Total fluid = .98 bbl.
200 Ft. Gas cut mud = .98 bbl.

Blow Description:

1st Flow: Tool opened with a 1" underwater blow, increased to 9 psi in 5 minutes, increased to 48 psi in 10 minutes, increased to 85 psi in 15 minutes, gas to surface in 19 minutes. See Gas Volume Report.

2nd Flow: See Gas Volume Report.

Comments: Reservoir calculations are enclosed.

Form 1

LY-230

# LYNES, INC.

| Celsius Energy Company | Ucolo #1 | 1 |
|---|---|---|
| Operator | Well Name and No. | DST No. |

Comments relative to DST #1 run on Ucolo #1 located at 3-36S-26E in San Juan County, Utah for Celsius Energy Company.

The enclosed calculations were performed by plotting the time pressure data on a semi-log scale and using the slope and extrapolated pressure in the appropriate gas calculations.

The initial shut-in was incremented and plotted but no extrapolation was performed as the pressures stabilized at 2039 psi in 74 minutes. The final shut-in extrapolated to 2044 psi and had a slope of 0.439 $psi^2/10^6$. This extrapolated pressure is equivalent to a subsurface pressure gradient of 0.444 psi/ft at the recorder depth of 4595 feet.

The calculated flow capacity of 19.61 md-ft indicates an average effective permeability of 1.78 md over the 11 feet of estimated effective porosity.

The calculated skin factor of 4.98 and the damage ratio of 1.96 indicate that the zone was slightly damaged at the time of this test. This suggests that if the skin could be reduced to zero the zone would be capable of greater production than indicated on this Drill Stem Test.

Please note that these calculations should be used as indicators only since many of the reservoir properties used have been estimated.

T.H. Adams, C.E.T.
Manager Technical Services

*** LYNES INC. ***

Operator.....: CELSIUS ENERGY
Well ID.....: UCOLO #1
Location.....: 3-36S-26E
DST Number.....: 1
Formation.....: -
Type of test....: BOTTOM HOLE CONVENTIONAL
Test interval...: 4550-4595
Recorder number : 1622
Recorder depth : 4595

RESERVOIR CALCULATIONS: Gas calculations based on 2nd shut-in
**********

RESERVOIR PARAMETERS USED:
**********

| | | | |
|---|---|---|---|
| Bottom hole temp: | 113.80 deg. F. | Specific gravity: | .680000 |
| Porosity.....: | 12.00 % | Z factor.....: | .850000 |
| Net Pay.....: | 11.00 ft. | Compressibility: | .000250 /psi |
| Flow rate.....: | 567.00 mcfd | Viscosity.....: | .019000 cp |

| | | |
|---|---|---|
| Total flowing time.....: | 160.000 | minutes |
| Final flowing pressure : | 525.000 | psi |
| Horner Extrapolation...: | 2044.503 | psi |
| Horner Slope.....: | .439 | psi^2/10^6 |
| Assumed drainage radius: | 2980.000 | ft. |
| Wellbore radius.....: | .365 | ft. |

RESULTS:
********

| | | |
|---|---|---|
| Effective permeability....(k)..: | 1.7831 | md |
| Flow capacity.....(kh)..: | 19.6146 | md-ft |
| Transmissibility.....(kh/u)..: | 1032.3481 | md-ft/cp |
| Skin.....(s)..: | 4.9878 | |
| Pressure drop across skin.....: | 950.2318 | psi |
| Damage ratio.....: | 1.9482 | |
| Absolute Open Flow...(AOF).....: | 606.9621 | mcfd |
| AOF with damage removed.....: | 1182.4780 | mcfd |
| Estimated stabilized AOF.....: | 756.0507 | mcfd |
| Radius of investigation.....: | 83.7603 | ft. |

CELSIUS ENERGY
DST#: 1
UCOLO # 1
4550-4595

Location: 3-36S-26E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: -

Recorder Number: 1622
Recorder Depth: 4595 ft.

## TIME-PRESSURE LISTING

| CHART LABEL | COMMENTS | TIME MIN. | DELTA P PSI | PRESSURE PSI | (T+dt)/dt ABSCISSA | PRESSURE SQUARED PSI^2/10^6 |
|---|---|---|---|---|---|---|
| A | INITIAL HYDROSTATIC | 0.0 | | 2181.0 | | |
| B | START OF 1st FLOW | 0.0 | | 176.0 | | |
| C | END OF 1st FLOW | 30.0 | | 334.0 | | |
| | 1st SHUTIN PERIOD | 0.0 | 0.0 | 334.0 | 0.0000 | 0.0000 |
| | | 4.0 | 1515.0 | 1849.0 | 8.5000 | 3.4188 |
| | | 8.0 | 1677.0 | 2011.0 | 4.7500 | 4.0441 |
| | | 12.0 | 1687.0 | 2021.0 | 3.5000 | 4.0844 |
| | | 16.0 | 1692.0 | 2026.0 | 2.8750 | 4.1047 |
| | | 20.0 | 1695.0 | 2029.0 | 2.5000 | 4.1168 |
| | | 26.0 | 1697.0 | 2031.0 | 2.1538 | 4.1250 |
| | | 32.0 | 1699.0 | 2033.0 | 1.9375 | 4.1331 |
| | | 38.0 | 1700.0 | 2034.0 | 1.7895 | 4.1372 |
| | | 44.0 | 1701.0 | 2035.0 | 1.6818 | 4.1412 |
| | | 50.0 | 1702.0 | 2036.0 | 1.6000 | 4.1453 |
| | | 56.0 | 1702.0 | 2036.0 | 1.5357 | 4.1453 |
| | | 62.0 | 1703.0 | 2037.0 | 1.4839 | 4.1494 |
| | | 68.0 | 1704.0 | 2038.0 | 1.4412 | 4.1534 |
| | | 74.0 | 1705.0 | 2039.0 | 1.4054 | 4.1575 |
| | | 80.0 | 1705.0 | 2039.0 | 1.3750 | 4.1575 |
| | | 86.0 | 1705.0 | 2039.0 | 1.3488 | 4.1575 |
| D | END OF 1st SHUTIN | 90.0 | 1705.0 | 2039.0 | 1.3333 | 4.1575 |
| E | START OF 2nd FLOW | 0.0 | | 185.0 | | |
| F | END OF 2nd FLOW | 130.0 | | 525.0 | | |
| | 2nd SHUTIN PERIOD | 0.0 | 0.0 | 525.0 | 1.3333 | 4.1575 |
| | | 4.0 | 1298.0 | 1823.0 | 41.0000 | 3.3233 |
| | | 8.0 | 1406.0 | 1931.0 | 21.0000 | 3.7288 |
| | | 12.0 | 1423.0 | 1948.0 | 14.3333 | 3.7947 |
| | | 16.0 | 1431.0 | 1956.0 | 11.0000 | 3.8259 |
| | | 20.0 | 1436.0 | 1961.0 | 9.0000 | 3.8455 |
| | | 30.0 | 1446.0 | 1971.0 | 6.3333 | 3.8848 |
| | | 40.0 | 1454.0 | 1979.0 | 5.0000 | 3.9164 |
| | | 50.0 | 1460.0 | 1985.0 | 4.2000 | 3.9402 |
| | | 60.0 | 1464.0 | 1989.0 | 3.6667 | 3.9561 |
| | | 70.0 | 1468.0 | 1993.0 | 3.2857 | 3.9720 |
| | | 80.0 | 1471.0 | 1996.0 | 3.0000 | 3.9840 |
| | | 90.0 | 1474.0 | 1999.0 | 2.7778 | 3.9960 |
| | | 100.0 | 1476.0 | 2001.0 | 2.6000 | 4.0040 |
| | | 110.0 | 1479.0 | 2004.0 | 2.4545 | 4.0160 |

CELSIUS ENERGY
DST#: 1
UCOLO #1
4550-4595

Location: 3-36S-26E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: -

Recorder Number: 1622
Recorder Depth: 4595 ft.

## TIME-PRESSURE LISTING

| CHART LABEL | COMMENTS | TIME MIN. | DELTA P PSI | PRESSURE PSI | (T+dt)/dt ABSCISSA | PRESSURE SQUARED PSI^2/10^6 |
|---|---|---|---|---|---|---|
| | | 120.0 | 1481.0 | 2006.0 | 2.3333 | 4.0240 |
| | | 130.0 | 1483.0 | 2008.0 | 2.2308 | 4.0321 |
| | | 140.0 | 1485.0 | 2010.0 | 2.1429 | 4.0401 |
| | | 150.0 | 1486.0 | 2011.0 | 2.0667 | 4.0441 |
| | | 160.0 | 1487.0 | 2012.0 | 2.0000 | 4.0481 |
| | | 170.0 | 1488.0 | 2013.0 | 1.9412* | 4.0522 |
| | | 180.0 | 1490.0 | 2015.0 | 1.8889* | 4.0602 |
| | | 190.0 | 1491.0 | 2016.0 | 1.8421* | 4.0643 |
| | | 200.0 | 1492.0 | 2017.0 | 1.8000* | 4.0683 |
| | | 210.0 | 1493.0 | 2018.0 | 1.7619* | 4.0723 |
| | | 220.0 | 1494.0 | 2019.0 | 1.7273* | 4.0764 |
| | | 230.0 | 1495.0 | 2020.0 | 1.6957* | 4.0804 |
| G | END OF 2nd SHUTIN | 240.0 | 1495.0 | 2020.0 | 1.6667* | 4.0804 |
| K | FINAL HYDROSTATIC | 0.0 | | 2163.0 | | |

* VALUES USED FOR EXTRAPOLATIONS

Location: 3-36S-26E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: -

Recorder Number: 1622
Recorder Depth: 4595 ft.

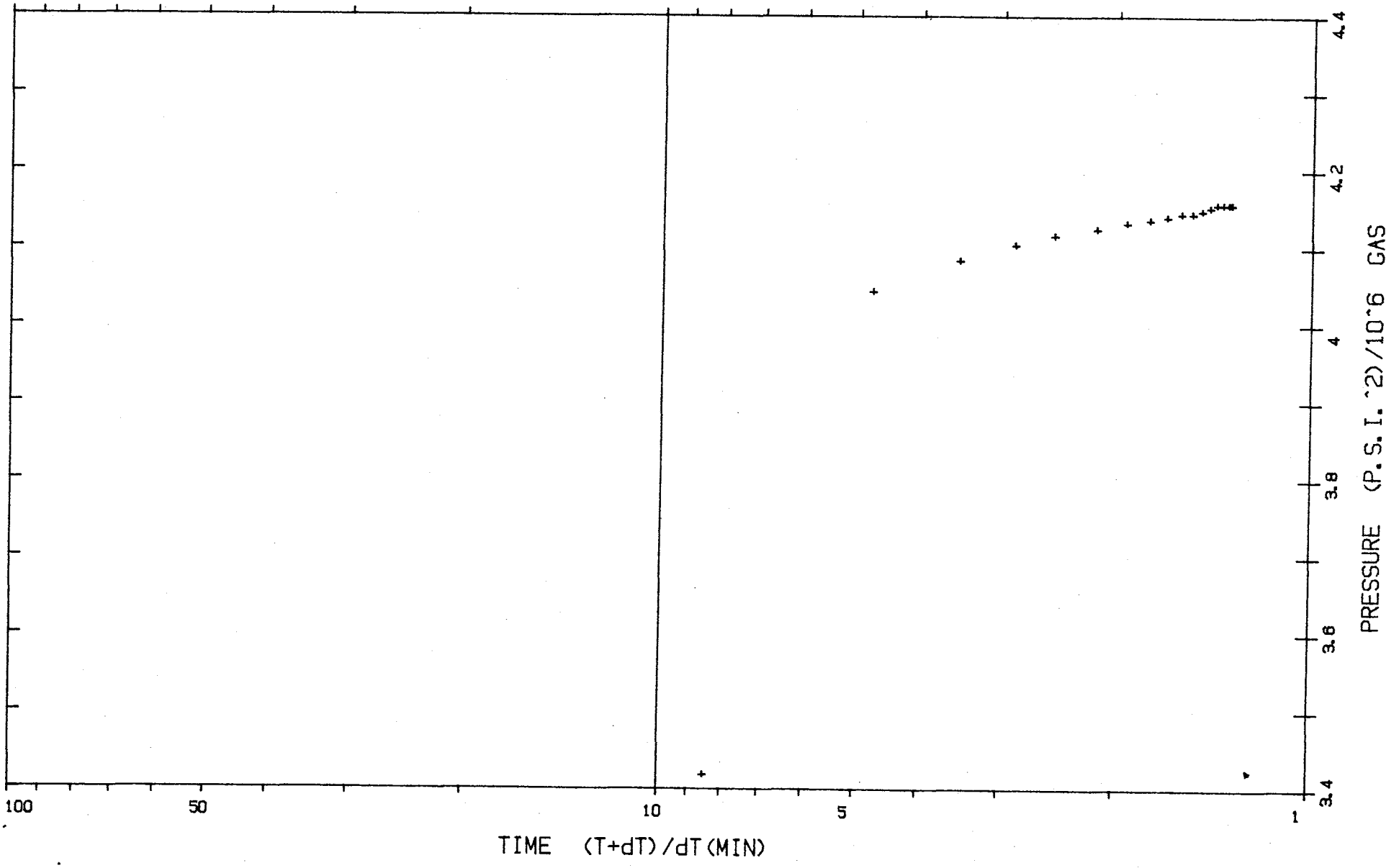
2nd SHUT-IN

| | | |
|---|---|---|
| HORNER EXTRAPOLATION | 2044.50 | PSI |
| HORNER SLOPE | .44 | (PSI^2/10^6)/cycle |

OPERATOR: CELSIUS ENERGY
WELL NAME: UCOLO #1
LOCATION: 3-36S-26E
FIRST SHUT-IN
RECORDER: 1622

DST #: 1

DEPTH: 4595

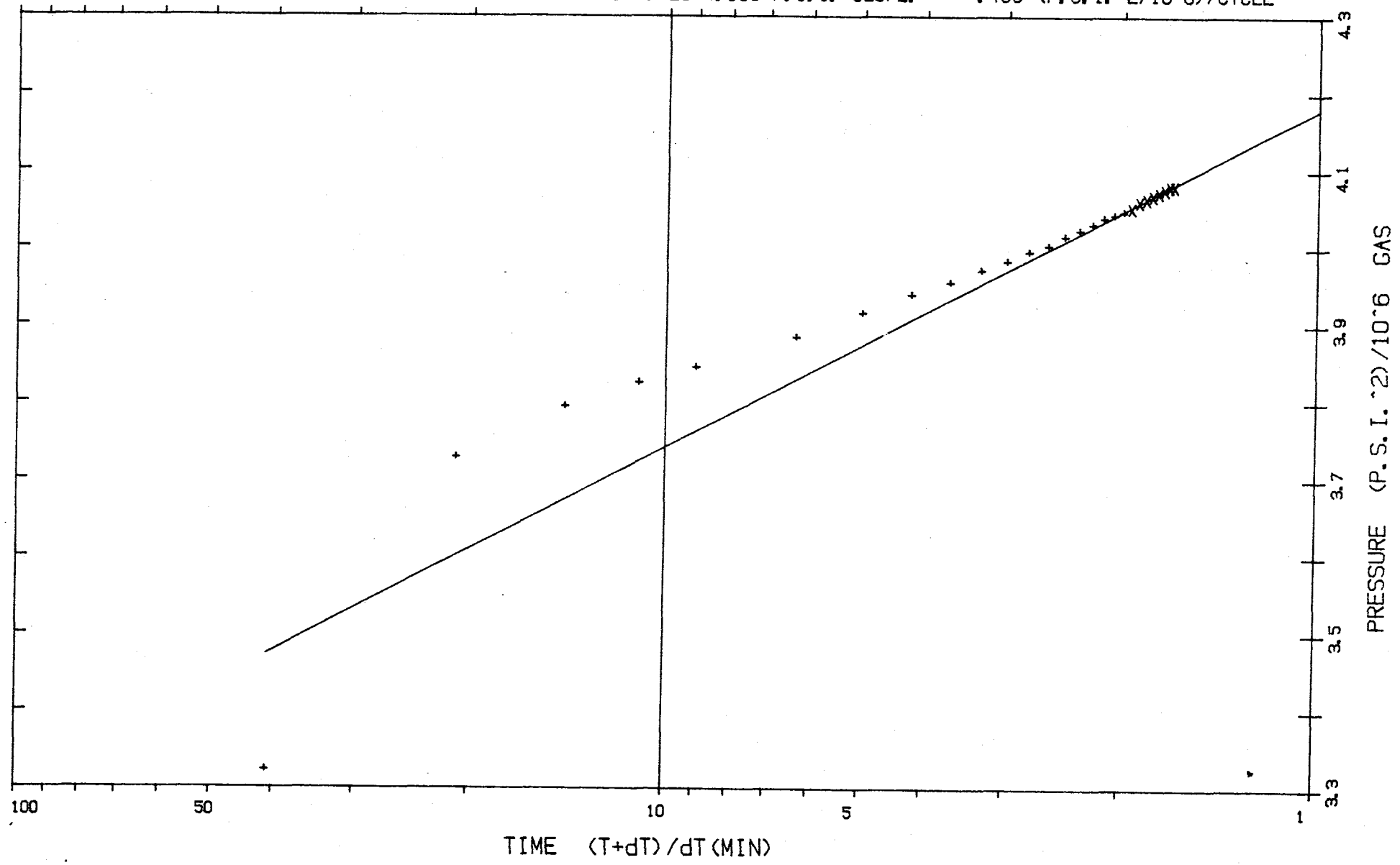


OPERATOR: CELSIUS ENERGY
WELL NAME: UCOLO #1
LOCATION: 3-36S-26E
SECOND SHUT-IN
RECORDER: 1622

DST #: 1

DEPTH: 4595

EXTRAPOLATED PRESSURE: 2044.503 P.S.I. SLOPE: .439 (P.S.I.^2/10^6)/CYCLE



# LYNES, INC.

## Gas Volume Report

Celsius Energy Co. (Operator) | Ucolo #1 (Well Name and No.) | 1 (DST No.)

| Min. | PSIG | Orifice Size | MCF/D | Comments |
|---|---|---|---|---|
| 0 | -- | -- | -- | Tool opened for initial flow with 1" blow. |
| 20 | 120 | 1/4" | 199.0 | Gas to surface. |
| 25 | 135 | 1/4" | 221.5 | |
| 30 | 148 | 1/4" | 240.0 | End of initial flow period. |
| | | | | |
| 0 | -- | -- | -- | Tool opened for final flow. |
| 5 | 55 | 1/4" | 103.6 | Gas to surface. |
| 10 | 105 | 1/4" | 176.5 | |
| 15 | 125 | 1/4" | 206.5 | |
| 20 | 160 | 1/4" | 258.0 | |
| 25 | 200 | 1/4" | 317.0 | |
| 30 | 220 | 1/4" | 346.0 | |
| 35 | 240 | 1/4" | 376.0 | |
| 40 | 260 | 1/4" | 405.0 | |
| 45 | 270 | 1/4" | 420.0 | |
| 50 | 290 | 1/4" | 449.0 | |
| 55 | 295 | 1/4" | 457.0 | |
| 60 | 300 | 1/4" | 464.0 | |
| 65 | 310 | 1/4" | 479.0 | |
| 70 | 320 | 1/4" | 493.0 | |
| 75 | 325 | 1/4" | 501.0 | |

Remarks: Continued on the following page.

# LYNES, INC.

## Gas Volume Report

Celsius Energy Co. (Operator) | Ucole #1 (Well Name and No.) | 1 (DST No.)

| Min. | PSIG | Orifice Size | MCF/D | Comments |
|---|---|---|---|---|
| 80 | 330 | 1/4" | 508.0 | |
| 85 | 340 | 1/4" | 523.0 | |
| 90 | 345 | 1/4" | 530.0 | |
| 95 | 350 | 1/4" | 538.0 | |
| 100 | 355 | 1/4" | 545.0 | |
| 105 | 360 | 1/4" | 552.0 | |
| 110 | 365 | 1/4" | 560.0 | |
| 115 | 370 | 1/4" | 567.0 | |
| 120 | 370 | 1/4" | 567.0 | End of final flow period. |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Remarks:

Form 4

LY-233

# LYNES, INC.

## Sampler Report

Company: Celsius Energy Co. Date: 5/10/83

Well Name & No.: Ucolo #1 Ticket No.: 04154

County: San Juan State: Utah

Test Interval: 4550-4595 Ft. DST No.: 1

---

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 1000 cc.

Pressure in Sampler: 550 psig

Oil: None cc.

Water: None cc.

Mud: 1000 Gas cut mud cc.

Gas: 1.9 cu. ft.

Other: --

Sample R.W.: .6 @ 70°F = 10,000 ppm. cl.

**Resistivity**

Make Up Water -- @ -- Salinity Content -- ppm.

Mud Pit Sample 1.5 @ 76°F Salinity Content 3600 ppm.

Gas/Oil Ratio -- Gravity -- °API @ -- °F

Where was sample drained On location.

Remarks: Recovery: Top Sample R.W.: .75 @ 70°F = 8,400 ppm. Nacl.

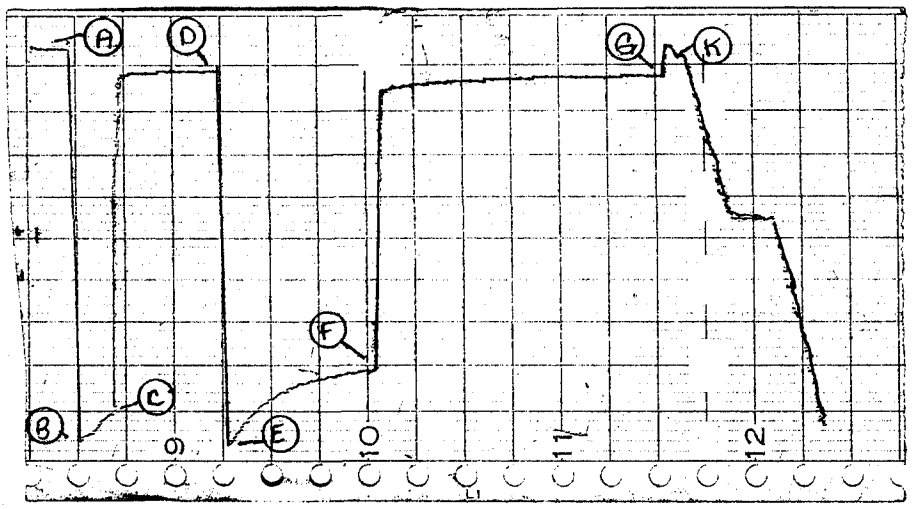
Middle Sample R.W.: .77 @ 70°F = 8,350 ppm. Nacl.

Bottom Sample R.W.: .70 @ 70°F = 8,500 ppm. Nacl.

CELSIUS ENERGY COMPANY
DST#: 1
UCOLO #1
4550-4595

PRESSURE RECORDER NUMBER : 1622

DEPTH : 4595.00ft. LOCATION : OUTSIDE
TYPE : K-3 CAPACITY : 5000.00 PSI




| | PRESSURE PSI |
|---|---|
| A)Initial Hydro | 2181.0 |
| B)1st Flow Start | 176.0 |
| C)1st Flow End | 334.0 |
| D)END 1st Shutin | 2039.0 |
| E)2nd Flow Start | 185.0 |
| F)2nd Flow End | 525.0 |
| G)END 2nd Shutin | 2020.0 |
| K)Final Hydro. | 2163.0 |

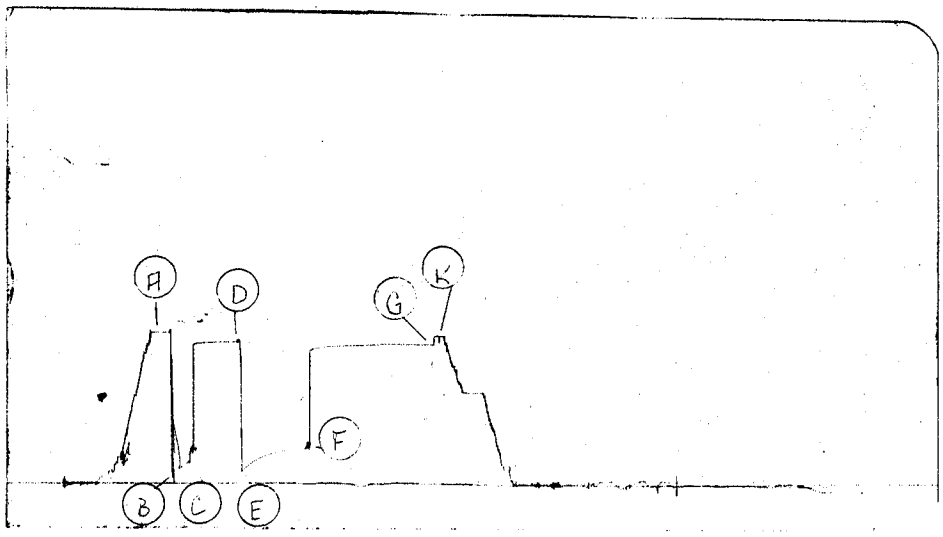
Temperature: 113.8

TEST TIMES(MIN)
1st FLOW : 30
SHUTIN: 90
2nd FLOW :130
SHUTIN:240

---

PRESSURE RECORDER NUMBER : 24521

DEPTH : 4531.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 6625.00 PSI




| | PRESSURE PSI |
|---|---|
| A)Initial Hydro | 2128.0 |
| B)1st Flow Start | 165.0 |
| C)1st Flow End | 300.0 |
| D)END 1st Shutin | 1995.0 |
| E)2nd Flow Start | 176.0 |
| F)2nd Flow End | 501.0 |
| G)END 2nd Shutin | 1962.0 |
| K)Final Hydro. | 2089.0 |

PRELIMINARY REPORT

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

DALLAS, TEXAS



CELSIUS ENERGY COMPANY

UCOLO NO. 1
UCOLO FIELD
SAN JUAN COUNTY

FORMATION : L. DESERT CREEK STAGE
DRLG. FLUID: WBM
LOCATION : NW,SW SEC.3-36S-26E
STATE : UTAH

DATE : 5-17-83
FILE NO. : RP-3-003265
ANALYSTS : GG:DS
ELEVATION: 6068 KB

## FULL DIAMETER CORE ANALYSIS - BOYLE'S LAW HELIUM POROSITY

| SAMP. NO. | DEPTH | PERM. TO AIR (MD) MAX. | 90 DEG. | POR. B.L. | FLUID SATS. OIL | WATER | GR. DNS. | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| | 5708-5723 | | | | | | | SHALE - NO ANALYSIS |
| | 5723-5730 | | | | | | | ANHYDRITE - NO ANALYSIS |
| 1 | 5730-31 | <0.01 | * | 3.7 | 0.0 | 59.7 | 2.79 | DOL BRN VFXLN SL/SHL |
| 2 | 5731-32 | <0.01 | * | 3.3 | 2.9 | 58.8 | 2.82 | DOL BRN VFXLN SL/SHL |
| 3 | 5732-33 | 0.01 | <0.01 | 1.9 | 0.0 | 43.0 | 2.85 | DOL BRN VFXLN SL/ANHY |
| 4 | 5733-34 | 0.01 | 0.01 | 2.6 | 0.0 | 16.5 | 2.87 | DOL BRN VFXLN SL/ANHY |
| 5 | 5734-35 | 0.28 | 0.26 | 4.0 | 3.1 | 18.7 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 6 | 5735-36 | 0.13 | 0.12 | 3.6 | 0.0 | 41.9 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 7 | 5736-37 | 0.72 | 0.43 | 4.4 | 0.0 | 21.5 | 2.85 | DOL BRN VFXLN SL/ANHY |
| 8 | 5737-38 | 0.60 | 0.54 | 4.0 | 2.5 | 10.0 | 2.85 | DOL BRN VFXLN SL/ANHY |
| 9 | 5738-39 | 3.5 | 2.9 | 3.5 | 5.3 | 21.2 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 10 | 5739-40 | 0.46 | 0.34 | 3.3 | 0.0 | 25.6 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 11 | 5740-41 | 0.20 | * | 4.1 | 0.0 | 20.9 | 2.83 | DOL BRN VFXLN SL/ANHY |
| 12 | 5741-42 | <0.01 | * | 0.6 | 0.0 | 44.2 | 2.80 | DOL GRY VFXLN SL/SHL |
| | 5742-5757 | | | | | | | SHALE - NO ANALYSIS |



* SAMPLE UNSUITABLE FOR FULL DIAMETER ANALYSIS, CONV. PLUG USED.

CL 508 (7520-059)

**CORE LABORATORIES, INC.** *Petroleum Reservoir Engineering*

COMPANY CELSIUS ENERGY COMPANY FIELD UCOLO FILE RP-3-003265

WELL UCOLO NO. 1 COUNTY SAN JUAN DATE 5-17-83

LOCATION NW,SW SEC.3-36S-26E STATE UTAH ELEV. 6068 KB

# CORE-GAMMA CORRELATION



*VERTICAL SCALE: 5" = 100'*

**CORE-GAMMA SURFACE LOG**
(PATENT APPLIED FOR)

**GAMMA RAY**
RADIATION INCREASE →

LOWER DESERT CREEK

**COREGRAPH**

**TOTAL WATER** ——
PERCENT TOTAL WATER
80 60 40 20 0

**PERMEABILITY** ——
MILLIDARCYS
100 50 10 5 .1

**POROSITY** ——
PERCENT
15 10 5 0

**OIL SATURATION** - - - - - -
PERCENT PORE SPACE
0 20 40 60 80

5708

5757


TICKET NO. 26931600
16-MAY-83
FARMINGTON

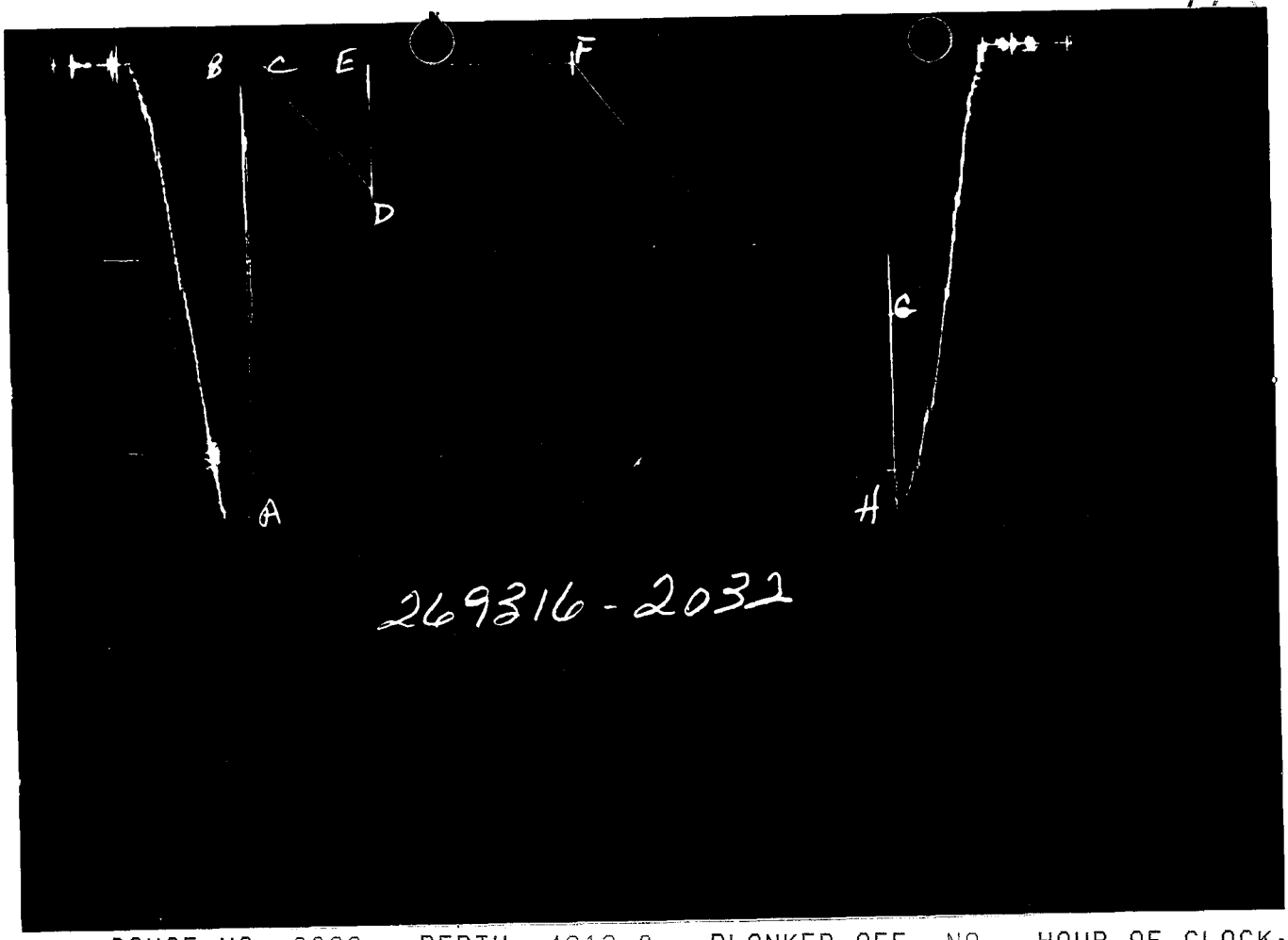


# FORMATION TESTING SERVICE REPORT

| | | | | | |
|---|---|---|---|---|---|
| UCOLO | 1 | 2 | 4830.' - 4879.' | BUG | SAN JUAN | UTAH | IC/PW |
| LEASE NAME | WELL NO. | TEST NO. | TESTED INTERVAL | FIELD AREA | COUNTY | STATE | |

LEGAL LOCATION SEC. - TWP. - RNG. SECTION 3 - 36 S - 26 E

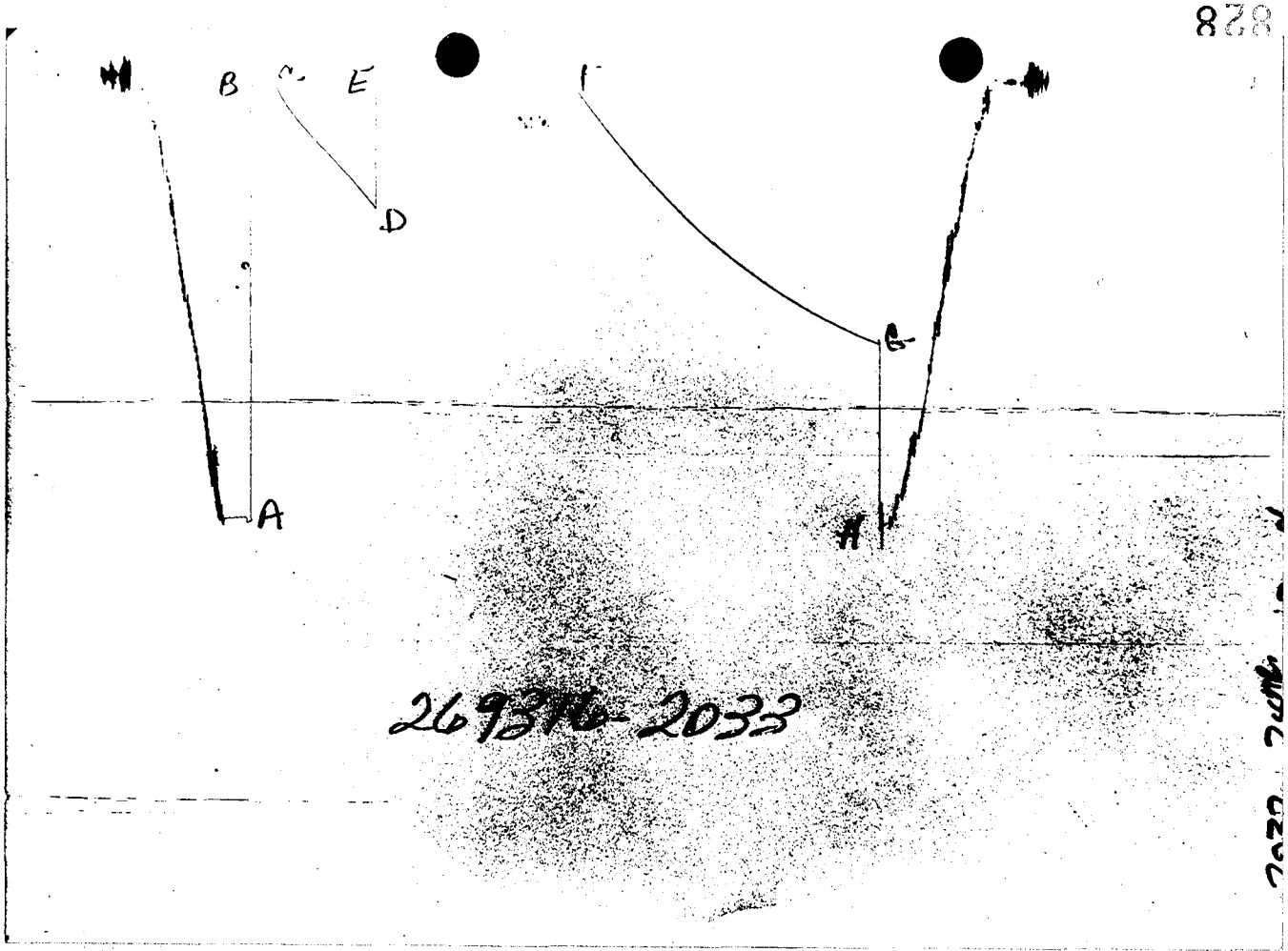
CELSIUS ENERGY COMPANY
LEASE OWNER/COMPANY NAME




269316-2032

GAUGE NO: 2032 DEPTH: 4812.0 BLANKED OFF: NO HOUR OF CLOCK: 24

| ID | DESCRIPTION | PRESSURE | | TIME | | TYPE |
|---|---|---|---|---|---|---|
| | | REPORTED | CALCULATED | REPORTED | CALCULATED | |
| A | INITIAL HYDROSTATIC | 2284 | 2312.7 | | | |
| B | INITIAL FIRST FLOW | 26 | 28.4 | 30.0 | 29.8 | F |
| C | FINAL FIRST FLOW | 26 | 29.3 | | | |
| C | INITIAL FIRST CLOSED-IN | 26 | 29.3 | 120.0 | 119.8 | C |
| D | FINAL FIRST CLOSED-IN | 712 | 678.9 | | | |
| E | INITIAL SECOND FLOW | 26 | 33.9 | 240.0 | 239.8 | F |
| F | FINAL SECOND FLOW | 40 | 44.9 | | | |
| F | INITIAL SECOND CLOSED-IN | 40 | 44.9 | 361.0 | 361.6 | C |
| G | FINAL SECOND CLOSED-IN | 1358 | 1380.1 | | | |
| H | FINAL HYDROSTATIC | 2284 | 2330.2 | | | |




GAUGE NO: 2033 DEPTH: 4875.0 BLANKED OFF: YES HOUR OF CLOCK: 24

| ID | DESCRIPTION | PRESSURE | | TIME | | TYPE |
|---|---|---|---|---|---|---|
| | | REPORTED | CALCULATED | REPORTED | CALCULATED | |
| A | INITIAL HYDROSTATIC | 2348 | 2350.7 | | | |
| B | INITIAL FIRST FLOW | 54 | 59.9 | 30.0 | 29.8 | F |
| C | FINAL FIRST FLOW | 54 | 53.8 | | | |
| C | INITIAL FIRST CLOSED-IN | 54 | 53.8 | 120.0 | 119.8 | C |
| D | FINAL FIRST CLOSED-IN | 696 | 704.7 | | | |
| E | INITIAL SECOND FLOW | 54 | 61.0 | 240.0 | 239.8 | F |
| F | FINAL SECOND FLOW | 67 | 72.8 | | | |
| F | INITIAL SECOND CLOSED-IN | 67 | 72.8 | 361.0 | 361.6 | C |
| G | FINAL SECOND CLOSED-IN | 1400 | 1407.0 | | | |
| H | FINAL HYDROSTATIC | 2348 | 2362.6 | | | |

## EQUIPMENT & HOLE DATA

FORMATION TESTED: HONAKER TRAIL
NET PAY (ft): 9.0
GROSS TESTED FOOTAGE: 49.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 8.750
ELEVATION (ft): 6072
TOTAL DEPTH (ft): 4879.0
PACKER DEPTH(S) (ft): 4824, 4830
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.10
MUD VISCOSITY (sec): 35
ESTIMATED HOLE TEMP. (°F): 110
ACTUAL HOLE TEMP. (°F): 120 @ 4875.0 ft

TICKET NUMBER: 26931600

DATE: 5-11-83 TEST NO: 2

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: FARMINGTON

TESTER: D. GUNN

WITNESS: M.R. SLIGER ??

DRILLING CONTRACTOR: ARAPAHOE DRILLING #2

## FLUID PROPERTIES FOR RECOVERED MUD & WATER

| SOURCE | RESISTIVITY | | CHLORIDES |
|---|---|---|---|
| MUD PIT | 2.000 | @ 65 °F | 1878 ppm |
| TOP | 0.360 | @ 64 °F | 11212 ppm |
| SAMPLER | 0.270 | @ 61 °F | 16666 ppm |
| | | @ °F | ppm |
| | | @ °F | ppm |
| | | @ °F | ppm |

## SAMPLER DATA

Psig AT SURFACE: 900
cu.ft. OF GAS: 0.52
cc OF OIL: 0
cc OF WATER: 1400
cc OF MUD: 850
TOTAL LIQUID cc: 2250

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API): @ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

## CUSHION DATA

| TYPE | AMOUNT | WEIGHT |
|---|---|---|
| | | |
| | | |

## RECOVERED:

60 FEET OF SLIGHTLY WATER CUT MUD

MEASURED FROM TESTER VALVE

## REMARKS:

TYPE & SIZE MEASURING DEVICE: _____ TICKET NO: 26931600

| TIME | CHOKE SIZE | SURFACE PRESSURE PSI | GAS RATE MCF | LIQUID RATE BPD | REMARKS |
|---|---|---|---|---|---|
| 5-10-83 | | | | | |
| 2245 | | | | | ON LOCATION |
| 2340 | | | | | PICKED-UP TOOLS |
| 5-11-83 | | | | | |
| 0040 | | | | | TRIPPED IN HOLE WITH DST #2 |
| 0256 | | | | | ON BOTTOM |
| 0300 | BH | 3 OZ. | | | OPENED TOOL WITH A GOOD BLOW - |
| | | | | | 13" IN BUCKET. |
| 0303 | BH | 22 OZ. | | | GOOD BLOW - BOTTOM OF BUCKET |
| 0305 | BH | 26 OZ. | | | GOOD BLOW - BOTTOM OF BUCKET |
| 0310 | BH | 27.5 OZ. | | | GOOD BLOW - BOTTOM OF BUCKET |
| 0315 | BH | 27.5 OZ. | | | GOOD BLOW - BOTTOM OF BUCKET |
| 0320 | BH | 27 OZ. | | | GOOD BLOW - BOTTOM OF BUCKET |
| 0325 | BH | 24.5 OZ. | | | GOOD BLOW - BOTTOM OF BUCKET |
| 0330 | BH | 22.5 OZ. | | | CLOSED TOOL - NO GAS TO SURFACE |
| 0530 | BH | 6 OZ. | | | REOPENED TOOL - GOOD BLOW AT |
| | | | | | BOTTOM OF BUCKET. |
| 0531 | BH | 19 OZ. | | | GOOD BLOW - BOTTOM OF BUCKET |
| 0534 | BH | 17.5 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0540 | BH | 15 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0545 | BH | 13.5 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0550 | BH | 12 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0600 | BH | 10 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0615 | BH | 8.5 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0630 | BH | 8 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0645 | BH | 7.5 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0700 | BH | 7 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0730 | BH | 6.25 OZ | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0800 | BH | 6.25 OZ | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0830 | BH | 6 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0900 | BH | 6 OZ. | | | GOOD BLOW AT BOTTOM OF BUCKET |
| 0930 | BH | 5.8 OZ. | | | CLOSED TOOL - NO GAS TO SURFACE |
| 1531 | | | | | PULLED OFF BOTTOM - OPENED |
| | | | | | BYPASS. TRIPPED OUT OF HOLE |
| | | | | | WITH DST #2. |
| 1800 | | | | | OUT OF HOLE |
| 1930 | | | | | JOB COMPLETED |

TICKET NO: 26931600

CLOCK NO: 14128 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 2032

DEPTH: 4812.0

| REF | | MINUTES | PRESSURE | ΔP | $\frac{t \times \Delta t}{t+\Delta t}$ | $\log \frac{t+\Delta t}{\Delta t}$ |
|---|---|---|---|---|---|---|
| | | | **FIRST FLOW** | | | |
| B | 1 | 0.0 | 28.4 | | | |
| | 2 | 5.0 | 28.8 | 0.4 | | |
| | 3 | 10.0 | 28.8 | 0.0 | | |
| | 4 | 15.0 | 28.5 | -0.3 | | |
| | 5 | 20.0 | 27.3 | -1.2 | | |
| | 6 | 25.0 | 28.0 | 0.7 | | |
| C | 7 | 29.8 | 29.3 | 1.3 | | |
| | | | **FIRST CLOSED-IN** | | | |
| C | 1 | 0.0 | 29.3 | | | |
| | 2 | 8.0 | 97.6 | 68.3 | 6.3 | 0.674 |
| | 3 | 16.0 | 150.8 | 121.5 | 10.4 | 0.458 |
| | 4 | 24.0 | 196.7 | 167.4 | 13.3 | 0.351 |
| | 5 | 32.0 | 238.7 | 209.4 | 15.4 | 0.286 |
| | 6 | 40.0 | 277.7 | 248.4 | 17.1 | 0.242 |
| | 7 | 48.0 | 316.8 | 287.5 | 18.4 | 0.210 |
| | 8 | 56.0 | 355.1 | 325.9 | 19.5 | 0.185 |
| | 9 | 64.0 | 392.9 | 363.6 | 20.3 | 0.166 |
| | 10 | 72.0 | 429.4 | 400.1 | 21.1 | 0.151 |
| | 11 | 80.0 | 467.7 | 438.4 | 21.7 | 0.138 |
| | 12 | 88.0 | 506.3 | 477.0 | 22.3 | 0.127 |
| | 13 | 96.0 | 549.6 | 520.3 | 22.8 | 0.118 |
| | 14 | 104.0 | 592.9 | 563.6 | 23.2 | 0.110 |
| | 15 | 112.0 | 637.6 | 608.3 | 23.6 | 0.103 |
| D | 16 | 119.8 | 678.9 | 649.7 | 23.9 | 0.097 |
| | | | **SECOND FLOW** | | | |
| E | 1 | 0.0 | 33.9 | | | |
| | 2 | 30.0 | 33.6 | -0.3 | | |
| | 3 | 60.0 | 35.1 | 1.5 | | |
| | 4 | 90.0 | 38.1 | 3.0 | | |
| | 5 | 120.0 | 39.8 | 1.7 | | |
| | 6 | 150.0 | 41.8 | 2.0 | | |
| | 7 | 180.0 | 43.0 | 1.2 | | |
| | 8 | 210.0 | 44.2 | 1.2 | | |
| F | 9 | 239.8 | 44.9 | 0.7 | | |
| | | | **SECOND CLOSED-IN** | | | |
| F | 1 | 0.0 | 44.9 | | | |
| | 2 | 20.0 | 158.6 | 113.7 | 18.6 | 1.162 |
| | 3 | 40.0 | 272.6 | 227.7 | 34.8 | 0.889 |
| | 4 | 60.0 | 381.9 | 337.1 | 49.1 | 0.740 |
| | 5 | 80.0 | 482.2 | 437.3 | 61.7 | 0.640 |
| | 6 | 100.0 | 578.4 | 533.6 | 72.9 | 0.568 |
| | 7 | 120.0 | 671.1 | 626.2 | 83.0 | 0.511 |
| | 8 | 140.0 | 757.1 | 712.3 | 92.1 | 0.466 |

| REF | | MINUTES | PRESSURE | ΔP | $\frac{t \times \Delta t}{t+\Delta t}$ | $\log \frac{t+\Delta t}{\Delta t}$ |
|---|---|---|---|---|---|---|
| | | | SECOND CLOSED-IN - CONTINUED | | | |
| | 9 | 160.0 | 838.2 | 793.3 | 100.4 | 0.429 |
| | 10 | 180.0 | 912.2 | 867.4 | 107.9 | 0.398 |
| | 11 | 200.0 | 979.9 | 935.0 | 114.8 | 0.371 |
| | 12 | 220.0 | 1043.9 | 999.1 | 121.1 | 0.347 |
| | 13 | 240.0 | 1105.0 | 1060.2 | 127.0 | 0.327 |
| | 14 | 260.0 | 1159.6 | 1114.8 | 132.4 | 0.309 |
| | 15 | 280.0 | 1209.8 | 1164.9 | 137.3 | 0.293 |
| | 16 | 300.0 | 1256.9 | 1212.0 | 142.0 | 0.278 |
| | 17 | 320.0 | 1300.1 | 1255.3 | 146.3 | 0.265 |
| | 18 | 340.0 | 1341.0 | 1296.2 | 150.4 | 0.254 |
| G | 19 | 361.6 | 1380.1 | 1335.2 | 154.5 | 0.242 |

REMARKS:

TICKET NO: 26931600

CLOCK NO: 12118 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 2033

DEPTH: 4875.0

| REF | | MINUTES | PRESSURE | ΔP | $\frac{t \times \Delta t}{t+\Delta t}$ | $\log \frac{t+\Delta t}{\Delta t}$ |
|---|---|---|---|---|---|---|
| | | | **FIRST FLOW** | | | |
| B | 1 | 0.0 | 59.9 | | | |
| | 2 | 5.0 | 52.0 | -7.9 | | |
| | 3 | 10.0 | 51.9 | -0.1 | | |
| | 4 | 15.0 | 52.3 | 0.4 | | |
| | 5 | 20.0 | 52.4 | 0.1 | | |
| | 6 | 25.0 | 52.8 | 0.4 | | |
| C | 7 | 29.8 | 53.8 | 0.9 | | |
| | | | **FIRST CLOSED-IN** | | | |
| C | 1 | 0.0 | 53.8 | | | |
| | 2 | 8.0 | 117.8 | 64.1 | 6.3 | 0.673 |
| | 3 | 16.0 | 173.6 | 119.8 | 10.4 | 0.457 |
| | 4 | 24.0 | 220.1 | 166.4 | 13.3 | 0.351 |
| | 5 | 32.0 | 263.8 | 210.1 | 15.4 | 0.286 |
| | 6 | 40.0 | 304.2 | 250.4 | 17.1 | 0.242 |
| | 7 | 48.0 | 343.2 | 289.4 | 18.4 | 0.210 |
| | 8 | 56.0 | 380.8 | 327.1 | 19.5 | 0.186 |
| | 9 | 64.0 | 417.7 | 363.9 | 20.4 | 0.166 |
| | 10 | 72.0 | 455.1 | 401.3 | 21.1 | 0.151 |
| | 11 | 80.0 | 494.9 | 441.2 | 21.7 | 0.138 |
| | 12 | 88.0 | 536.2 | 482.4 | 22.3 | 0.127 |
| | 13 | 96.0 | 575.9 | 522.2 | 22.8 | 0.118 |
| | 14 | 104.0 | 617.2 | 563.4 | 23.2 | 0.110 |
| | 15 | 112.0 | 660.4 | 606.6 | 23.6 | 0.103 |
| D | 16 | 119.8 | 704.7 | 650.9 | 23.9 | 0.097 |
| | | | **SECOND FLOW** | | | |
| E | 1 | 0.0 | 61.0 | | | |
| | 2 | 30.0 | 60.7 | -0.3 | | |
| | 3 | 60.0 | 62.9 | 2.1 | | |
| | 4 | 90.0 | 64.9 | 2.0 | | |
| | 5 | 120.0 | 66.9 | 2.0 | | |
| | 6 | 150.0 | 68.8 | 1.9 | | |
| | 7 | 180.0 | 70.6 | 1.9 | | |
| | 8 | 210.0 | 71.4 | 0.8 | | |
| F | 9 | 239.8 | 72.8 | 1.3 | | |
| | | | **SECOND CLOSED-IN** | | | |
| F | 1 | 0.0 | 72.8 | | | |
| | 2 | 20.0 | 184.0 | 111.3 | 18.6 | 1.162 |
| | 3 | 40.0 | 300.3 | 227.5 | 34.9 | 0.888 |
| | 4 | 60.0 | 406.8 | 334.0 | 49.1 | 0.740 |
| | 5 | 80.0 | 510.4 | 437.6 | 61.7 | 0.641 |
| | 6 | 100.0 | 605.6 | 532.8 | 72.9 | 0.568 |
| | 7 | 120.0 | 699.5 | 626.7 | 83.1 | 0.511 |
| | 8 | 140.0 | 785.0 | 712.2 | 92.2 | 0.466 |

| REF | | MINUTES | PRESSURE | ΔP | $\frac{t \times \Delta t}{t+\Delta t}$ | $\log \frac{t+\Delta t}{\Delta t}$ |
|---|---|---|---|---|---|---|
| | | | SECOND CLOSED-IN - CONTINUED | | | |
| | 9 | 160.0 | 864.8 | 792.0 | 100.4 | 0.429 |
| | 10 | 180.0 | 940.0 | 867.2 | 108.0 | 0.398 |
| | 11 | 200.0 | 1008.9 | 936.1 | 114.8 | 0.371 |
| | 12 | 220.0 | 1072.1 | 999.3 | 121.2 | 0.347 |
| | 13 | 240.0 | 1132.7 | 1059.9 | 127.0 | 0.327 |
| | 14 | 260.0 | 1186.3 | 1113.5 | 132.4 | 0.309 |
| | 15 | 280.0 | 1238.6 | 1165.8 | 137.4 | 0.293 |
| | 16 | 300.0 | 1285.6 | 1212.9 | 142.0 | 0.278 |
| | 17 | 320.0 | 1328.9 | 1256.1 | 146.3 | 0.265 |
| | 18 | 340.0 | 1369.3 | 1296.5 | 150.4 | 0.254 |
| G | 19 | 361.6 | 1407.0 | 1334.3 | 154.5 | 0.242 |

REMARKS:

TICKET NO. 26931600

| | | O.D. | I.D. | LENGTH | DEPTH |
|---|---|---|---|---|---|
| 1 | DRILL PIPE..... | 4.000 | 3.340 | 4263.0 | |
| 3 | DRILL COLLARS..... | 6.000 | 2.250 | 441.0 | |
| 50 | IMPACT REVERSING SUB..... | 6.000 | 3.000 | 1.0 | 4707.0 |
| 3 | DRILL COLLARS..... | 6.000 | 2.250 | 91.0 | |
| 5 | CROSSOVER..... | 6.000 | 3.000 | 1.0 | |
| 13 | DUAL CIP SAMPLER..... | 5.030 | 0.750 | 7.0 | |
| 60 | HYDROSPRING TESTER..... | 5.000 | 0.750 | 5.0 | 4807.0 |
| 80 | AP RUNNING CASE..... | 5.000 | 2.250 | 4.0 | 4812.0 |
| 15 | JAR..... | 5.030 | 1.750 | 5.0 | |
| 16 | VR SAFETY JOINT..... | 5.000 | 1.000 | 3.0 | |
| 70 | OPEN HOLE PACKER..... | 7.750 | 1.530 | 6.0 | 4824.0 |
| 70 | OPEN HOLE PACKER..... | 7.750 | 1.530 | 6.0 | 4830.0 |
| 20 | FLUSH JOINT ANCHOR..... | 5.750 | 3.000 | 43.0 | |
| 81 | BLANKED-OFF RUNNING CASE..... | 5.750 | | 4.0 | 4875.0 |

TOTAL DEPTH 4879.0

# EQUIPMENT DATA

# LYNES, INC.

## Distribution of Final Reports

Celsius Energy Company (Operator) — Ucolo # 1 (Well Name and No.)

Original &

1 copy: Celsius Energy Company, P.O. Box 2329, Farmington, New Mexico, 87499, Attn: N. Thomaidis

1 copy: Kenai Oil & Gas, Incorporated, 1 Barclay Plaza; Ste. 500, 1675 Larimer Street, Denver, Colorado 80202, Attn: Joseph R. Mazzola

2 copies: May Petroleum Incorporated, 800 One Lincoln Center, LB8, 5400 LBJ Freeway, Dallas, Texas 75240, Attn: Operations Department

1 copy: May Petroleum, Incorporated, 1330 Denver Club Bldg, 518 17th St., Denver, Colorado 80202

2 copies: Minerals Management Service, 2000 Administration Bldg, 1745 W. 1700 S. Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil Gas & Mining, 4241 State Office Bldg, Salt Lake City, Utah, 84114,

2 copies: Celsius Energy Company/ Wexpro, P.O. Box 11070, Salt Lake City, Utah, 84147, Attn: Roger Fallon

2 copies: Celsius Energy Company, P.O. Box 458, Rock Springs, Wyoming 82901, Attn: Petroleum Engineer

2 copies: Transco Exploration Company, 720 S. Colorado Blvd., Ste. 1260 South, Denver, Colorado 80222, Attn: Bruce Wiley

1 copy: Seabrook Corporation, 401 Lincoln Street, Denver, Colorado 80295, Attn: Sam Boltz

1 copy: May Petroleum, Incorporated, 1450 Beneficial Life Tower, Salt Lake City, Utah 8411, Attn: O.C. Adams

1 copy: Premco Western, Incorporated, 2665 Villa Creek Drive, Ste. 214, Dallas, Texas 75234, Attn: R.W. Holman

Form 6

# LYNES, INC.

## Distribution of Final Reports

Celsius Energy Company (Operator) — Ucolo # 1 (Well Name and No.)

1 copy: E.L. Cox & B.R. Cox, 1675 Broadway, # 2800, Denver, Colorado 80202

Attn: Ken Tompkins

1 copy: E.L. Cox & B.R. Cox, 3800 1st National Bank Bldg., Dallas, Texas 75202

Attn: Hugh Cotton

Form 6

Phone
713-790-9132

# LYNES, INC.

Box 12486
Houston, TX 77017

Operator Celsius Energy Company
Address See Distribution
Well Name and No. Ucolo # 1
Ticket No. 04110
Date 5/17/83
No. Final Copies 21
DST No. 3

| | | | |
|---|---|---|---|
| Contractor | Arapahoe | Top Choke | ¼" |
| Rig No. | 2 | Bottom Choke | 1" |
| Spot | Lot # 4 | Size Hole | 8 3/4" |
| Sec. | 3 | Size Rat Hole | -- |
| Twp. | 36S | Size & Wt. D. P. | 4" 14.00 |
| Rng. | 26E | Size Wt. Pipe | -- |
| Field | Ucolo | I. D. of D. C. | 2¼" |
| County | San Juan | Length of D. C. | 532 Ft. |
| State | Utah | Total Depth | 5757 Ft. |
| Elevation | 6068 Ft. | Interval Tested | 5732-5757 Ft. |
| Formation | Desert Creek | Type of Test | Bottom Hole Conventional |

| | | |
|---|---|---|
| Flow No. 1 | 30 | Min. |
| Shut-in No. 1 | 120 | Min. |
| Flow No. 2 | 47 | Min. |
| Shut-in No. 2 | 360 | Min. |
| Flow No. 3 | -- | Min. |
| Shut-in No. 3 | -- | Min. |

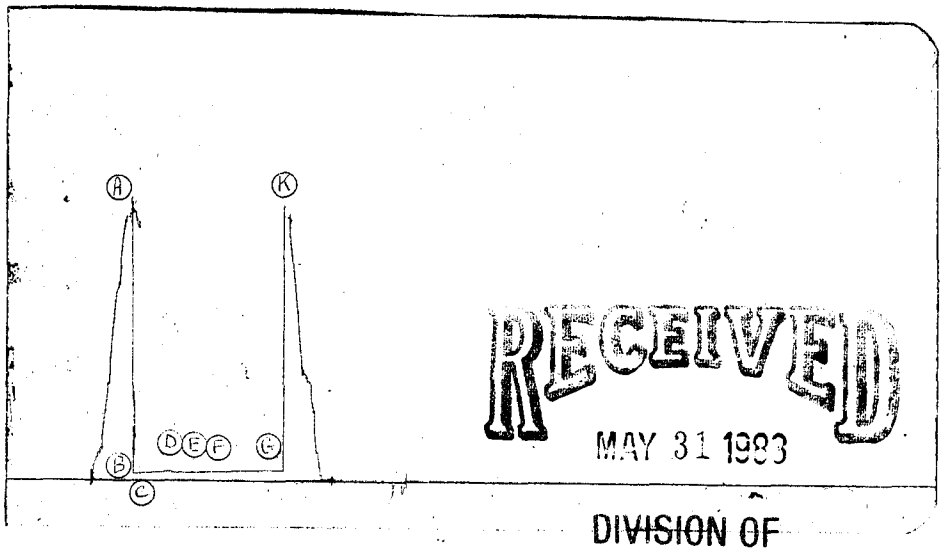
| | |
|---|---|
| Bottom Hole Temp. | 134°F |
| Mud Weight | 12.7 |
| Gravity | -- |
| Viscosity | 40 |

Tool opened @ 11:07 AM

Outside Recorder

PRD Make Kuster K-3
No. 24521 Cap. 6625 @ 5738'

| Press | | Corrected |
|---|---|---|
| Initial Hydrostatic | A | 3760 |
| Final Hydrostatic | K | 3760 |
| Initial Flow | B | 70 |
| Final Initial Flow | C | 72 |
| Initial Shut-in | D | 102 |
| Second Initial Flow | E | 88 |
| Second Final Flow | F | 96 |
| Second Shut-in | G | 121 |
| Third Initial Flow | H | -- |
| Third Final Flow | I | -- |
| Third Shut-in | J | -- |






Lynes Dist.: Rock Springs, WY.
Our Tester: Charles Tuzicka
Witnessed By: Mike Sliger

Did Well Flow – Gas No Oil No Water No

RECOVERY IN PIPE: 30 Ft. Total fluid = .15 bbl.
30 Ft. Drilling mud = .15 bbl.

Blow Description

1st Flow: Tool opened with a weak blow, increased to a 1" underwater blow and remained thru the flow period.

2nd Flow: Tool opened with a very weak blow, decreased to nil in 17 minutes and remained dead thru the flow period.

Form 1

LY-230

# LYNES, INC.

## Sampler Report

Company: Celsius Energy Company — Date: 5/17/83

Well Name & No.: Ucolo # 1 — Ticket No.: 04110

County: San Juan — State: Utah

Test Interval: 5732-5757 Ft. — DST No.: 3

---

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 2150 cc.

Pressure in Sampler: None psig

Oil: None cc.

Water: None cc.

Mud: 2150 cc.

Gas: None cu. ft.

Other: --

Sample R.W.: .9 @ 70°F = 6,900 ppm. cl.

**Resistivity**

Make Up Water 10 @ 60°F Salinity Content 620 ppm.

Mud Pit Sample 1 @ 65°F Salinity Content 6,500 ppm.

Gas/Oil Ratio -- Gravity °API @ °F

Where was sample drained On location.

Remarks: Recovery:

Bottom Sample R.W.: 1.0 @ 65°F = 6,500 ppm. cl.

Form 5

LY 234

# LYNES

DMR-312 DIGITAL MEMORY RECORDER NO. 1622 CAP. 5000 AT 5738 Ft.

OPERATOR Celsius Energy Company WELL NAME AND NO. Ucolo # 1 TICKET NO. 04110 DST NO. 3

DMR TYPE #2
SKIP = 10.0000
BIAS = 08:15:00
TEMP. IN DEG. F
PRES. IN P.S.I.A
**********

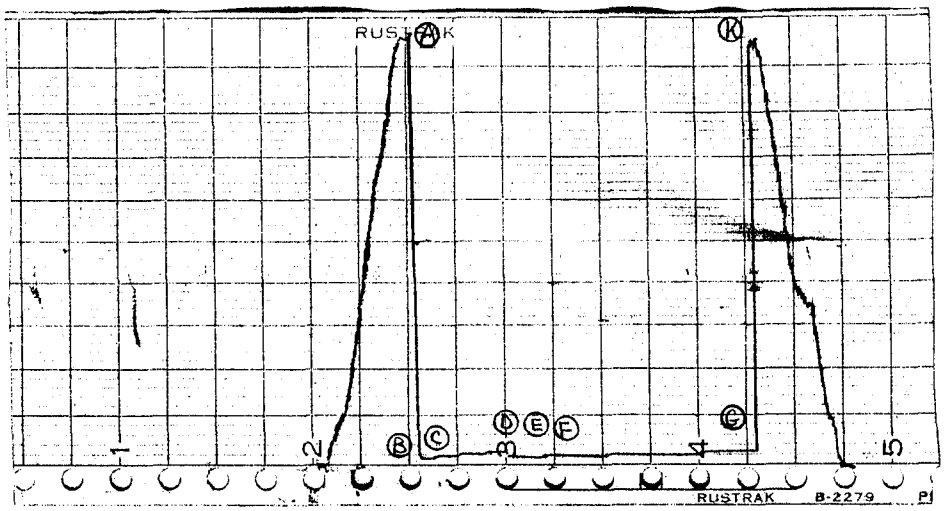
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10:56:00 T | 116.875 | [redacted]00 T | 128.68 | | 107.50 | | 123.75 |
| | 3816.25 | | 117.50 | | 107.50 | | 123.75 |
| Initial Hydrostatic | 3816.25 | | 118.75 | | 106.25 | | 123.75 |
| | 3886.25 | | 118.75 | | 107.50 | | 123.75 |
| | 3846.25 | | 120.00 | | 107.50 | | 123.75 |
| | 3841.25 | | 120.00 | | 107.50 | | 123.75 |
| | 3883.75 | | 121.25 | | 108.75 | | 125.00 |
| | 67.5000 | | 121.25 | 16:00:00 T | 131.56 | 18:24:00 T | 133.06 |
| 11:12:00 T | 121.062 | 13:36:00 T | 129.00 | | 108.75 | | 125.00 |
| Start 1st Flow: | 71.2500 | | 90.000 | | 108.75 | | 125.00 |
| | 72.5000 | | 91.250 | | 110.00 | | 125.00 |
| | 73.7500 | | 91.250 | | 110.00 | | 125.00 |
| | 75.0000 | | 91.250 | | 110.00 | | 126.25 |
| | 75.0000 | | 91.250 | | 110.00 | | 126.25 |
| | 76.2500 | Initial Shut-In | 92.500 | | 110.00 | | 126.25 |
| | 77.5000 | Start 2nd Flow | 92.500 | 16:16:00 T | 131.68 | 18:40:00 T | 133.18 |
| 11:28:00 T | 124.56 | 13:52:00 T | 129.37 | | 111.25 | | 126.25 |
| | 77.5000 | | 92.500 | | 111.25 | | 126.25 |
| | 78.7500 | | 93.750 | | 112.50 | | 126.25 |
| | 78.7500 | | 92.500 | | 111.25 | | 126.25 |
| | 78.7500 | | 92.500 | | 111.25 | | 127.50 |
| | 80.0000 | | 93.750 | | 112.50 | | 127.50 |
| | 81.2500 | | 93.750 | | 112.50 | | 127.50 |
| End 1st Flow: | 82.5000 | | 93.750 | 16:32:00 T | 131.87 | 18:56:00 T | 133.25 |
| 11:44:00 T | 125.75 | 14:08:00 T | 129.75 | | 113.75 | | 127.50 |
| | 83.7500 | | 93.750 | | 112.50 | | 128.75 |
| | 85.0000 | | 93.750 | | 113.75 | | 128.75 |
| | 86.2500 | | 93.750 | | 113.75 | | 127.50 |
| | 86.2500 | | 93.750 | | 113.75 | | 128.75 |
| | 87.5000 | | 95.000 | | 113.75 | | 128.75 |
| | 88.7500 | | 95.000 | | 113.75 | | 128.75 |
| | 88.7500 | | 93.750 | 16:48:00 T | 132.06 | 19:12:00 T | 133.43 |
| 12:00:00 T | 126.43 | 14:24:00 T | 130.06 | | 115.00 | | 128.75 |
| | 91.2500 | | 95.000 | | 115.00 | | 128.75 |
| | 92.5000 | | 95.000 | | 116.25 | | 130.00 |
| | 92.5000 | | 95.000 | | 115.00 | | 130.00 |
| | 93.7500 | End 2nd Flow | 95.000 | | 116.25 | | 130.00 |
| | 95.0000 | | 96.250 | | 116.25 | | 130.00 |
| | 95.0000 | | 96.250 | | 116.25 | | 130.00 |
| | 96.2500 | | 97.500 | 17:04:00 T | 132.25 | 19:28:00 T | 131.50 |
| 12:16:00 T | 127.00 | 14:40:00 T | 130.37 | | 116.25 | | 131.25 |
| | 97.5000 | | 96.250 | | 116.25 | | 131.25 |
| | 98.7500 | | 97.500 | | 117.50 | | 131.25 |
| | 98.7500 | | 97.500 | | 117.50 | | 131.25 |
| | 98.7500 | | 98.750 | | 117.50 | | 131.25 |
| | 100.00 | | 98.750 | | 117.50 | | 131.25 |
| | 101.25 | | 98.750 | | 117.50 | | 131.25 |
| | 102.50 | | 98.750 | 17:20:00 T | 132.43 | 19:44:00 T | 133.62 |
| 12:32:00 T | 127.43 | 14:56:00 T | 130.62 | | 117.50 | | 132.50 |
| | 103.75 | | 98.750 | | 118.75 | | 132.50 |
| | 103.75 | | 100.00 | | 118.75 | [redacted] | 132.50 |
| | 105.00 | | 100.00 | | 118.75 | | 132.50 |
| | 105.00 | | 101.25 | | 120.00 | | 132.50 |
| | 106.25 | | 101.25 | | 118.75 | | 132.50 |
| | 106.25 | | 101.25 | | 120.00 | | 133.75 |
| | 107.50 | | 101.25 | 17:36:00 T | 132.56 | 20:00:00 T | 133.68 |
| 12:48:00 T | 127.93 | 15:12:00 T | 130.87 | | 120.00 | | 132.50 |
| | 107.50 | | 102.50 | | 120.00 | | 133.75 |
| | 108.75 | | 102.50 | | 121.25 | | 133.75 |
| | 110.00 | | 103.75 | | 121.25 | | 133.75 |
| | 110.00 | | 103.75 | | 121.25 | | 133.75 |
| | 111.25 | | 103.75 | | 121.25 | | 133.75 |
| | 111.25 | | 103.75 | | 121.25 | | 133.75 |
| | 112.50 | | 103.75 | 17:52:00 T | 132.75 | 20:16:00 T | 133.81 |
| 13:04:00 T | 128.31 | 15:28:00 T | 131.12 | | 121.25 | | 135.00 |
| | 113.75 | | 105.00 | | 121.25 | | 135.00 |
| | 113.75 | | 105.00 | | 121.25 | | 135.00 |
| | 115.00 | | 105.00 | | 122.50 | | 135.00 |
| | 115.00 | | 106.25 | | 122.50 | | 135.00 |
| | 115.00 | | 106.25 | | 122.50 | | 135.00 |
| | 116.25 | | 105.00 | | 122.50 | End 2nd Shut-In | 136.25 |
| | 116.25 | | 106.25 | 18:08:00 T | 132.82 | 20:32:00 T | 133.93 |
| | | 15:44:00 T | 131.31 | | | | 3811.2 |
| | | | | | | Final Hydrostatic | 3806.2 |
| | | | | | | | 3806.2 |
| | | | | | | | 3805.0 |
| | | | | | | | 3802.5 |

CELSIUS ENERGY CO.
DST#: 3
UCOLO # 1
5732-5757



PRESSURE RECORDER NUMBER : 1622

DEPTH : 5738.00ft. LOCATION : OUTSIDE
TYPE : DMR CAPACITY : 5000.00 PSI



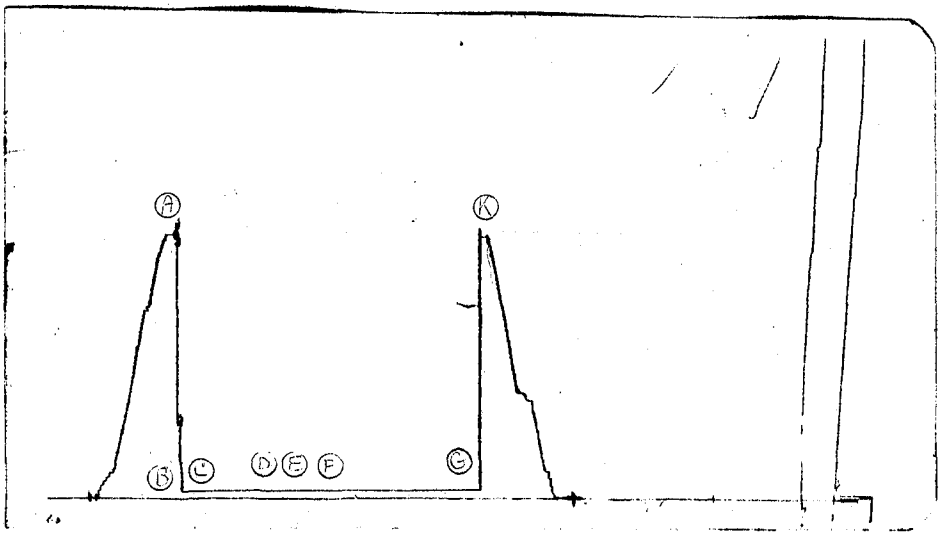

| | PRESSURE PSI |
|---|---|
| A)Initial Hydro | 3816.0 |
| B)1st Flow Start | 71.0 |
| C)1st Flow End | 83.0 |
| D)END 1st Shutin | 93.0 |
| E)2nd Flow Start | 93.0 |
| F)2nd Flow End | 95.0 |
| G)END 2nd Shutin | 136.0 |
| K)Final Hydro. | 3806.0 |

| TEST TIMES(MIN) | |
|---|---|
| 1st FLOW | 30 |
| SHUTIN | 120 |
| 2nd FLOW | 47 |
| SHUTIN | 360 |

---

PRESSURE RECORDER NUMBER : 23883

DEPTH : 5715.00ft. LOCATION : INSIDE
TYPE : K-3 CAPACITY : 6800.00 PSI



| | PRESSURE PSI |
|---|---|
| A)Initial Hydro | 3758.0 |
| B)1st Flow Start | 93.0 |
| C)1st Flow End | 93.0 |
| D)END 1st Shutin | 119.0 |
| E)2nd Flow Start | 105.0 |
| F)2nd Flow End | 107.0 |
| G)END 2nd Shutin | 127.0 |
| K)Final Hydro. | 3758.0 |

# LYNES, INC.

## Distribution of Final Reports

Celsius Energy Company (Operator) — Ucolo # 1 (Well Name and No.)

Original &

1 copy: Celsius Energy Company, P.O. Box 2329, Farmington, New Mexico 87499, Attn: N. Thomaidis

2 copies: Minerals Management Service, 2000 Administration Building, 1745 West 1700 South, Salt Lake City, Utah 84104, Attn: Edgar Guynn

2 copies: Utah Oil, Gas & Mining, 4241 State Office Building, Salt Lake City, UT 84114

2 copies: Celsius Energy Company/Wexpro, P.O. Box 11070, Salt Lake City, UT 84147 Attn: Roger W. Fallon

2 copies: Celsius Energy Company, P.O.Box 458, Rock Springs, Wyoming 82901, Attn: Petroleum Engineer

1 copy: Premco Western, Incorporated, 2665 Villa Creek Drive, Ste. 214, Dallas, Texas 75234, Attn: R.W. Holman

1 copy: E.L. Cox & B.R. Cox, 1675 Broadway, # 2800, Denver, Colorado 80202, Attn: Ken Tompkins

1 copy: E.L. Cox & B.R.Cox, 3800 1st National Bank Bldg., Dallas, Texas 75202, Attn: Hugh Cotton

2 copies: Transco Exploration Company, 720 South Colorado Boulevard, Ste. 1260 South, Denver, Colorado 80222, Attn: Bruce Wiley

1 copy: Seabrook Corporation, 401 Lincoln Tower Building, 1860 Lincoln Street, Denver, Co. 80295, Attn: Sam Boltz

1 copy: Kenai Oil & Gas, Incorporated,1 Barclay Plaza, Ste. 500, 1675 Larimer Street, Denver, Colorado 80202, Attn: Joseph Mazzola

2 copies: May Petroleum, Incorporated, 800 One Lincoln Center, LB8, 5400 LBJ Freeway, Dallas, Texas 75240, Attn: Operations Department

Form 6

# LYNES, INC.

## Distribution of Final Reports

Celsius Energy Company (Operator) — Ucolo # 1 (Well Name and No.)

1 copy: May Petroleum, Incorporated, 1330 Denver Club Building, 518 17th Street, Denver, Co. 80202, Attn: Robert Westmacott

1 copy: May Petroleum, Inc., 1450 Beneficial Life Tower, Salt Lake City, UT 84111 Attn: O.C. Adams

Form 6

Form 9-330
(Rev. 5-63)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Ucolo

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 3-36S-26E, SLB&M

1a. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Celsius Energy Company

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: NW SW, 1250' FWL, 1480' FSL
At top prod. interval reported below: NW SW
At total depth:

| 14. PERMIT NO. | DATE ISSUED | 12. COUNTY OR PARISH | 13. STATE |
|---|---|---|---|
| 43-037-30874 | 4-4-83 | San Juan | Utah |

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 4-28-83 | 5-19-83 | 6-5-83 | KB 6067.70' GR 6055' | |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 5805' | 5668' | | → | 0-5805' | |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 4558'-4568' - Honaker Trail

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL, CNL-FDC

27. WAS WELL CORED: Yes

28. CASING RECORD (*Report all strings set in well*)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 9-5/8 | 36 | 1419.96 | 12-1/4 | 400 sxs Howco Lite & 270 sxs Regular B | |
| 5-1/2 | 15.5 & 17 | 5803.87 | 8-3/4 | 810 sxs 50-50 Pozmix | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2-7/8 | 4466.34 | |

31. PERFORATION RECORD (*Interval, size and number*): 4558'-4568' - two holes per foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 4558-4568 | 1000 gallons 15% MSR acid |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*) |
|---|---|---|
| | Flowing | Shut-in |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 6-5-83 | 33 | 13/64 | | | | | |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| 650 | 740 | | 0 | 573 | 0 | |

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Vented

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Director, Petroleum Eng. DATE June 7, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
**Item 29:** *"Sacks Cement"*: Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
*SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES*

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---|---|---|---|
| | | | |

38. GEOLOGIC MARKERS

| NAME | TOP | |
|---|---|---|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| Honaker Trail | 4017' | |
| Upper Ismay | 5432' | |
| Ismay Shale | 5485' | |
| Lower Ismay | 5570' | |
| B Zone | 5620' | |
| Desert Creek | 5677' | |
| Akha | 5773' | |
| Salt | 5806' | |

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

GPO 680-147

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Celsius Energy Company

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW SW, 1250' FWL, 1480' FSL

5. LEASE DESIGNATION AND SERIAL NO.: U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Ucolo

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 3-36S-26E, SLB&M

14. PERMIT NO.: API 43-037-30874

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6055' KB 6067.70'

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | [ ] | PULL OR ALTER CASING | [ ] | WATER SHUT-OFF | [ ] | REPAIRING WELL | [ ] |
| FRACTURE TREAT | [ ] | MULTIPLE COMPLETE | [ ] | FRACTURE TREATMENT | [ ] | ALTERING CASING | [ ] |
| SHOOT OR ACIDIZE | [ ] | ABANDON* | [ ] | SHOOTING OR ACIDIZING | [ ] | ABANDONMENT* | [ ] |
| REPAIR WELL | [ ] | CHANGE PLANS | [ ] | (Other) Supplemental History | | | [XX] |
| (Other) | | | [ ] | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

DST #2: 4824-4879', Honaker Trail, drilling break 4829-4838' with 33 unit gas increase, IO 30 mins, ISI 120 mins, FO 240 mins, FSI 360 mins, 1st open weak, no gas to surface, 2nd open strong, recovered 60' water cut mud, IHP 2284, IOFP's 26-26, ISIP 712, FOFP's 26-40, ISIP 1350, FHP 2284.

DST #3: 5732-5757', Desert Creek, drilling break 5732-5740' with 4 unit gas increase, IO 30 mins, ISI 120 mins, FO 47 mins, FSI 360 mins, 1st open weak, 2nd open weak, dead in 17 mins, no gas to surface, recovered 30' mud, IHP 3828, IOFP's 70-70, ISIP 135, FOFP's 70-70, FSIP 138, FHP 3742.

Released Rig Midnight May 19, 1983.

Rigged up workover rig May 24, 1983.

Perforated Honaker Trail with two shots per foot as follows: 4558-4568'.

Landed 5½" OD, 15.5# & 17#, K-55, 8 rd thrd, LT&C casing at 5803.87' KBM, cemented with 810 sacks 50-50 Pozmix A, cement in place at 10:30 A.M., 5/19/83.

Landed 2-7/8" OD, 6.5#, J-55, 8 rd thrd, EUE tubing at 4466.34' KBM.

RECEIVED
JUN 7 1983
DIV. OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED A. J. Mauer TITLE Drilling Superintendent DATE June 1, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

CORE LABORATORIES, INC.
*Petroleum Reservoir Engineering*
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

CELSIUS ENERGY COMPANY

UCOLO NO. 1 WELL
UCOLO FIELD
SAN JUAN COUNTY, UTAH

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

DALLAS, TEXAS

CELSIUS ENERGY COMPANY
UCOLO NO. 1 WELL
UCOLO FIELD
SAN JUAN COUNTY, UTAH

DATE ON : 17-MAY-83
FORMATION : LOWER DESERT CREEK
DRLG. FLUID: WBM
LOCATION : NW SW SEC. 3-T36S-R26E

FILE NO : 3803-3265
LABORATORY: FARMINGTON
ANALYSTS : GG;DS
ELEVATION : 6068 KB

## FULL DIAMETER ANALYSIS--BOYLE'S LAW POROSITY

| SAMPLE NUMBER | DEPTH FEET | PERM MD MAX Ka | PERM MD 90DEG Ka | He POR | OIL% PORE | WTR% PORE | GRAIN DEN | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| | 5708.0-23.0 | | | | | | | SHALE - NO ANALYSIS |
| | 5723.0-30.0 | | | | | | | ANHYDRITE - NO ANALYSIS |
| 1 | 5730.0-31.0 | <0.01 | ** | 3.7 | 0.0 | 59.7 | 2.79 | DOL BRN VFXLN SL/SHL |
| 2 | 5731.0-32.0 | <0.01 | ** | 3.3 | 2.9 | 58.8 | 2.82 | DOL BRN VFXLN SL/SHL |
| 3 | 5732.0-33.0 | 0.01 | <0.01 | 1.9 | 0.0 | 43.0 | 2.85 | DOL BRN VFXLN SL/ANHY |
| 4 | 5733.0-34.0 | 0.01 | 0.01 | 2.6 | 0.0 | 16.5 | 2.87 | DOL BRN VFXLN SL/ANHY |
| 5 | 5734.0-35.0 | 0.28 | 0.26 | 4.0 | 3.1 | 18.7 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 6 | 5735.0-36.0 | 0.13 | 0.12 | 3.6 | 0.0 | 41.9 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 7 | 5736.0-37.0 | 0.72 | 0.43 | 4.4 | 0.0 | 21.5 | 2.85 | DOL BRN VFXLN SL/ANHY |
| 8 | 5737.0-38.0 | 0.60 | 0.54 | 4.0 | 2.5 | 10.0 | 2.85 | DOL BRN VFXLN SL/ANHY |
| 9 | 5738.0-39.0 | 3.5 | 2.9 | 3.5 | 5.3 | 21.2 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 10 | 5739.0-40.0 | 0.46 | 0.34 | 3.3 | 0.0 | 25.6 | 2.86 | DOL BRN VFXLN SL/ANHY |
| 11 | 5740.0-41.0 | 0.20 | ** | 4.1 | 0.0 | 20.9 | 2.83 | DOL BRN VFXLN SL/ANHY |
| 12 | 5741.0-42.0 | <0.01 | ** | 0.6 | 0.0 | 44.2 | 2.80 | DOL GRY VFXLN SL/SHL |
| | 5742.0-57.0 | | | | | | | SHALE - NO ANALYSIS |

** UNSUITABLE FOR FULL DIAMETER ANALYSIS, CONVENTIONAL PLUG USED.

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

DALLAS, TEXAS

CELSIUS ENERGY COMPANY — DATE : 17-MAY-83 — FILE NO. : 3803-3265
UCOLO NO. 1 WELL — FORMATION : LOWER DESERT CREEK — ANALYSTS : GG;DS

*** CORE SUMMARY AVERAGES FOR 1 ZONE ***

DEPTH INTERVAL: 5730.0 TO 5742.0

FEET OF CORE ANALYZED : 12.0 FEET OF CORE INCLUDED IN AVERAGES: 12.0

-- SAMPLES FALLING WITHIN THE FOLLOWING RANGES WERE AVERAGED --

| | | | | |
|---|---|---|---|---|
| PERMEABILITY HORZONTAL RANGE (MD.) | : | 0.00 | TO 4.0 | (UNCORRECTED FOR SLIPPAGE) |
| HELIUM POROSITY RANGE (%) | : | 0.5 | TO 100.0 | |
| OIL SATURATION RANGE (%) | : | 0.0 | TO 6.0 | |
| WATER SATURATION RANGE (%) | : | 9.0 | TO 60.0 | |

SHALE SAMPLES EXCLUDED FROM AVERAGES.

AVERAGES FOR DEPTH INTERVAL: 5730.0 TO 5742.0

AVERAGE PERMEABILITY (MILLIDARCIES)

| | | |
|---|---|---|
| ARITHMETIC PERMEABILITY | : | 0.49 |
| GEOMETRIC PERMEABILITY | : | 0.09 |
| HARMONIC PERMEABILITY | : | 0.02 |

AVERAGE POROSITY (PERCENT) : 3.2

AVERAGE RESIDUAL OILSATURATION : 1.3
(PERCENT OF PORE SPACE)

PRODUCTIVE CAPACITY (MILLIDARCY-FEET)

| | | |
|---|---|---|
| ARITHMETIC CAPACITY | : | 5.9 |
| GEOMETRIC CAPACITY | : | 1.1 |
| HARMONIC CAPACITY | : | 0.26 |

AVERAGE TOTAL WATER SATURATION : 30.0
(PERCENT OF PORE SPACE)

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

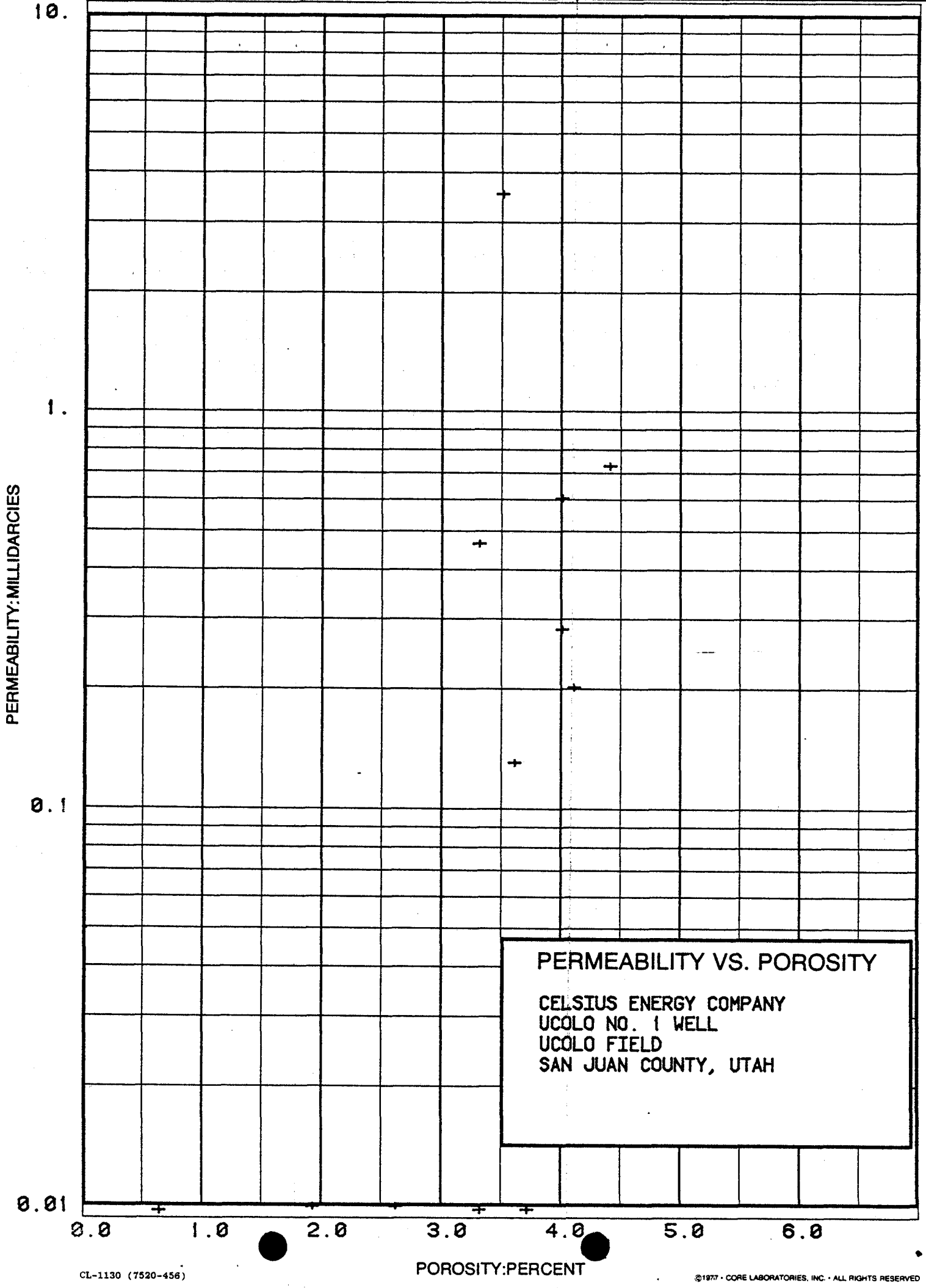
DALLAS, TEXAS

## PERMEABILITY VS POROSITY

COMPANY: CELSIUS ENERGY COMPANY — WELL : UCOLO NO. 1 WELL
FIELD : UCOLO FIELD — COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD - HORIZONTAL ( UNCORRECTED FOR SLIPPAGE )
POROSITY : PERCENT ( HELIUM )

| DEPTH INTERVAL | RANGE & SYMBOL | PERMEABILITY MINIMUM | PERMEABILITY MAXIMUM | POROSITY MIN. | POROSITY MAX. | POROSITY AVERAGE | PERMEABILITY AVERAGES ARITHMETIC | HARMONIC | GEOMETRIC |
|---|---|---|---|---|---|---|---|---|---|
| 5730.0 - 5742.0 | 1 (+) | 0.000 | 4.0 | 0.5 | 4.5 | 3.2 | 0.49 | 0.02 | 0.09 |




CL-1130 (7520-456)

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

DALLAS, TEXAS

## STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY — WELL : UCOLO NO. 1 WELL
FIELD : UCOLO FIELD — COUNTY, STATE: SAN JUAN COUNTY, UTAH

AIR PERMEABILITY : MD. ( HORIZONTAL ) RANGE USED 0.000 TO 4.
POROSITY : PERCENT ( HELIUM ) RANGE USED 0.5 TO 46.0

(PERMEABILITY UNCORRECTED FOR SLIPPAGE)

DEPTH LIMITS : 5730.0 - 5742.0 INTERVAL LENGTH : 12.0
FEET ANALYZED IN ZONE : 12.0 LITHOLOGY EXCLUDED : NONE

### DATA SUMMARY

| POROSITY | PERMEABILITY AVERAGES | | |
|---|---|---|---|
| AVERAGE | ARITHMETIC | HARMONIC | GEOMETRIC |
| 3.2 | 0.49 | 0.02 | 0.09 |

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

DALLAS, TEXAS

## STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY
FIELD : UCOLO FIELD
WELL : UCOLO NO. 1 WELL
COUNTY, STATE: SAN JUAN COUNTY, UTAH

### GROUPING BY POROSITY RANGES

| POROSITY RANGE | FEET IN RANGE | AVERAGE POROSITY | AVERAGE PERM. (GEOM.) | AVERAGE PERM. (ARITH) | FREQUENCY (PERCENT) | CUMULATIVE FREQUENCY (%) |
|---|---|---|---|---|---|---|
| 0.0 - 2.0 | 2.0 | 1.2 | 0.009 | 0.009 | 16.7 | 16.7 |
| 2.0 - 4.0 | 6.0 | 3.3 | 0.074 | 0.686 | 50.0 | 66.7 |
| 4.0 - 6.0 | 4.0 | 4.1 | 0.394 | 0.450 | 33.3 | 100.0 |

TOTAL NUMBER OF FEET = 12.0

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

DALLAS, TEXAS

## STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY
FIELD : UCOLO FIELD
WELL : UCOLO NO. 1 WELL
COUNTY, STATE: SAN JUAN COUNTY, UTAH

### GROUPING BY PERMEABILITY RANGES

| PERMEABILITY RANGE | FEET IN RANGE | AVERAGE PERM. (GEOM.) | AVERAGE PERM. (ARITH) | AVERAGE POROSITY | FREQUENCY (PERCENT) | CUMULATIVE FREQUENCY (%) |
|---|---|---|---|---|---|---|
| 0.005 - 0.010 | 3.0 | 0.009 | 0.009 | 2.5 | 25.0 | 25.0 |
| 0.010 - 0.020 | 2.0 | 0.010 | 0.010 | 2.3 | 16.7 | 41.7 |
| 0.078 - 0.156 | 1.0 | 0.130 | 0.130 | 3.6 | 8.3 | 50.0 |
| 0.156 - 0.312 | 2.0 | 0.237 | 0.240 | 4.1 | 16.7 | 66.7 |
| 0.312 - 0.625 | 2.0 | 0.525 | 0.530 | 3.7 | 16.7 | 83.3 |
| 0.625 - 1.250 | 1.0 | 0.720 | 0.720 | 4.4 | 8.3 | 91.7 |
| 2.500 - 5.000 | 1.0 | 3.5 | 3.5 | 3.5 | 8.3 | 100.0 |

TOTAL NUMBER OF FEET = 12.0

# CORE LABORATORIES, INC.

*Petroleum Reservoir Engineering*

DALLAS, TEXAS

## STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: CELSIUS ENERGY COMPANY
FIELD : UCOLO FIELD
WELL : UCOLO NO. 1 WELL
COUNTY, STATE: SAN JUAN COUNTY, UTAH

### POROSITY-FEET OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

| POROSITY CUT OFF | FEET LOST | CAPACITY LOST (%) | FEET REMAINING | CAPACITY REMAINING (%) | ARITH MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 12.0 | 100.0 | 3.2 | 3.3 |
| 2.0 | 2.0 | 6.4 | 10.0 | 93.6 | 3.7 | |
| 4.0 | 8.0 | 57.7 | 4.0 | 42.3 | 4.1 | |
| 6.0 | 12.0 | 100.0 | 0.0 | 0.0 | | |

TOTAL STORAGE CAPACITY IN POROSITY-FEET = 39.0

**CORE LABORATORIES, INC.**
*Petroleum Reservoir Engineering*
DALLAS, TEXAS

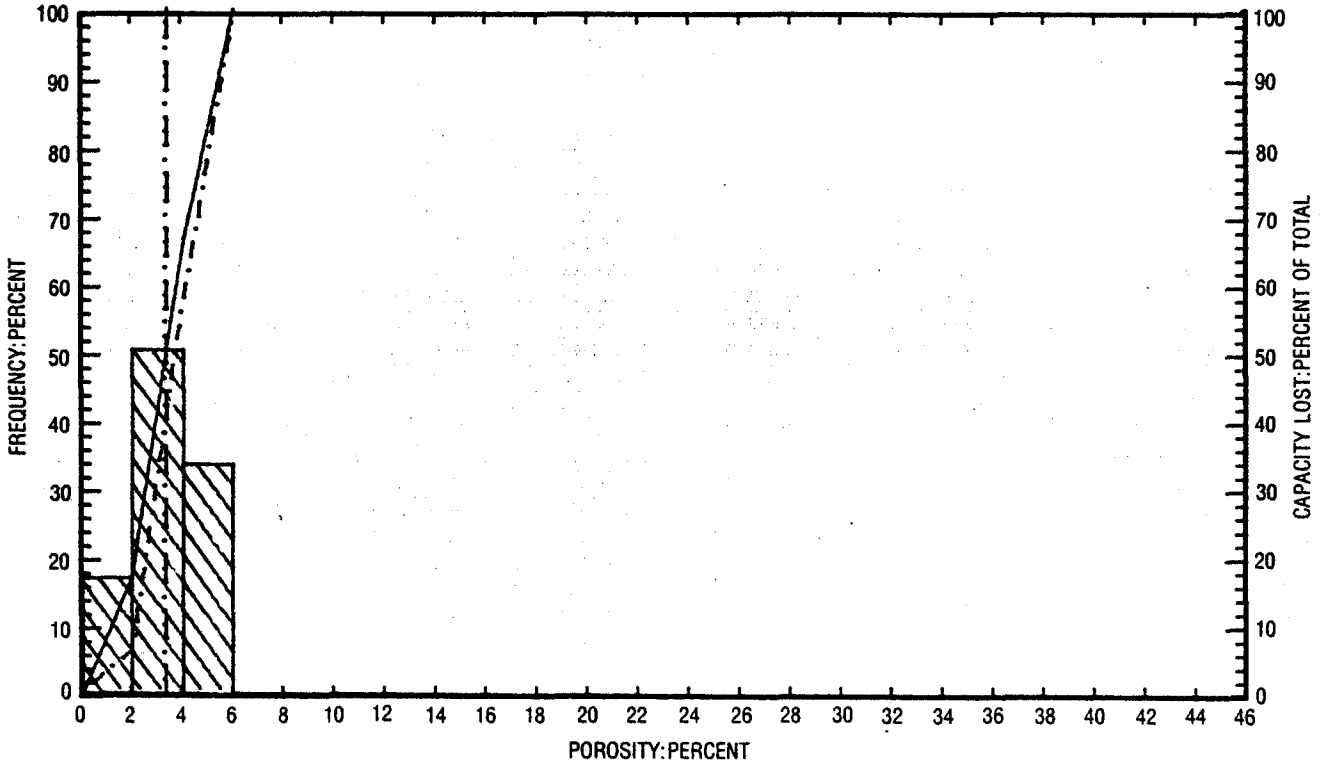
## STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

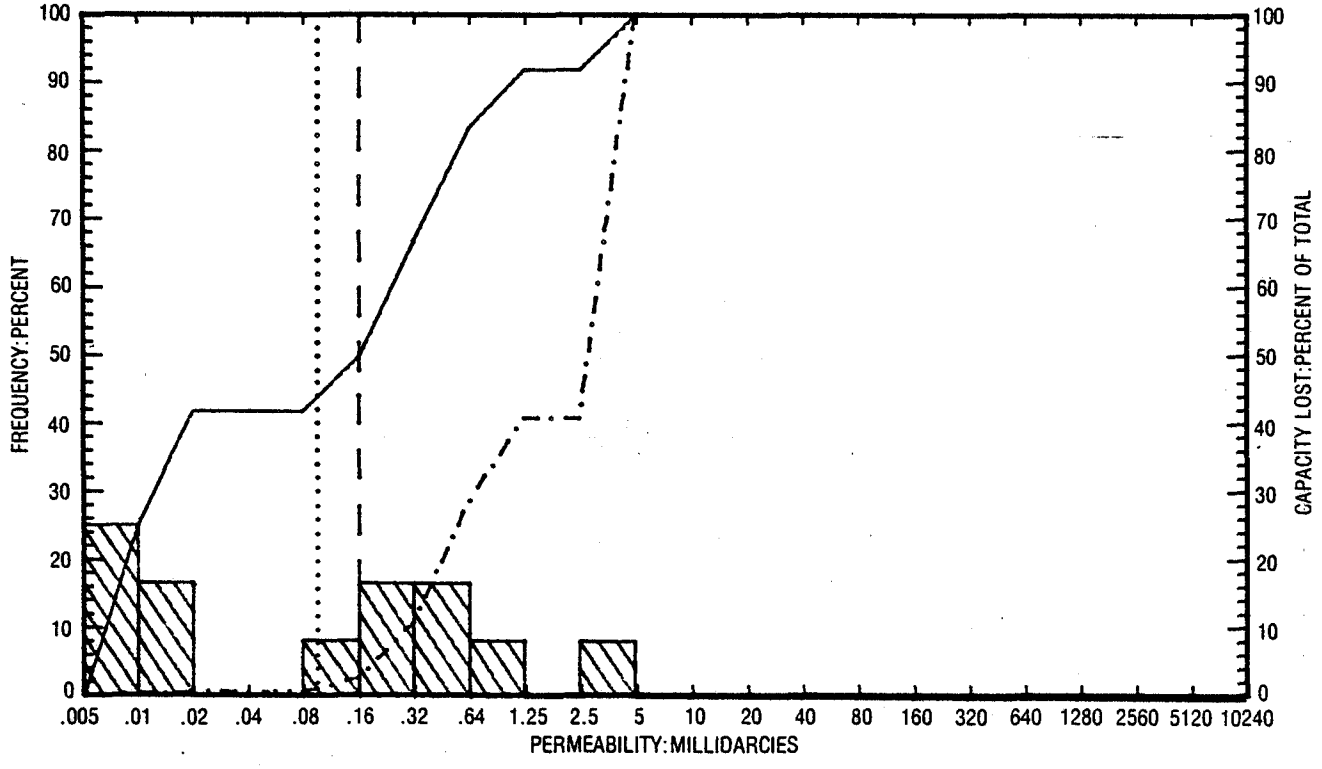
COMPANY: CELSIUS ENERGY COMPANY — WELL : UCOLO NO. 1 WELL
FIELD : UCOLO FIELD — COUNTY, STATE: SAN JUAN COUNTY, UTAH

### MILLIDARCY-FEET OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

| PERMEABILITY CUT OFF | FEET LOST | CAPACITY LOST (%) | FEET REMAINING | CAPACITY REMAINING (%) | GEOM MEAN | MEDIAN |
|---|---|---|---|---|---|---|
| 0.005 | 0.0 | 0.0 | 12.0 | 100.0 | 0.09 | 0.16 |
| 0.010 | 3.0 | 0.5 | 9.0 | 99.5 | 0.20 | 0.26 |
| 0.020 | 5.0 | 0.8 | 7.0 | 99.2 | 0.47 | 0.37 |
| 0.039 | 5.0 | 0.8 | 7.0 | 99.2 | 0.47 | 0.37 |
| 0.078 | 5.0 | 0.8 | 7.0 | 99.2 | 0.47 | 0.37 |
| 0.156 | 6.0 | 3.0 | 6.0 | 97.0 | 0.58 | 0.44 |
| 0.312 | 8.0 | 11.1 | 4.0 | 88.9 | 0.91 | 0.62 |
| 0.625 | 10.0 | 28.9 | 2.0 | 71.1 | 1.59 | 1.25 |
| 1.250 | 11.0 | 41.0 | 1.0 | 59.0 | 3.50 | |
| 2.500 | 11.0 | 41.0 | 1.0 | 59.0 | 3.50 | |
| 5. | 12.0 | 100.0 | 0.0 | 0.0 | | |

TOTAL FLOW CAPACITY IN MILLIDARCY-FEET(ARITHMETIC) = 5.94




## PERMEABILITY AND POROSITY HISTOGRAMS

CELSIUS ENERGY COMPANY
UCOLO NO. 1 WELL
UCOLO FIELD
SAN JUAN COUNTY, UTAH

**LEGEND**

ARITHMETIC MEAN POROSITY
GEOMETRIC MEAN PERMEABILITY
MEDIAN VALUE
CUMULATIVE FREQUENCY
CUMULATIVE CAPACITY LOST

**CORE LABORATORIES, INC.** *Petroleum Reservoir Engineering*

COMPANY CELSIUS ENERGY COMPANY FILE NO. 3803-3265

WELL UCOLO NO. 1 DATE 27-MAY-83 ENGRS. GG; DS

FIELD UCOLO FORMATION LOWER DESERT CREEK ELEV. 6068 KB

COUNTY SAN JUAN STATE UTAH DRLG. FLD. WBM CORES

# CoRes Log

## CORE and RESISTIVITY EVALUATION

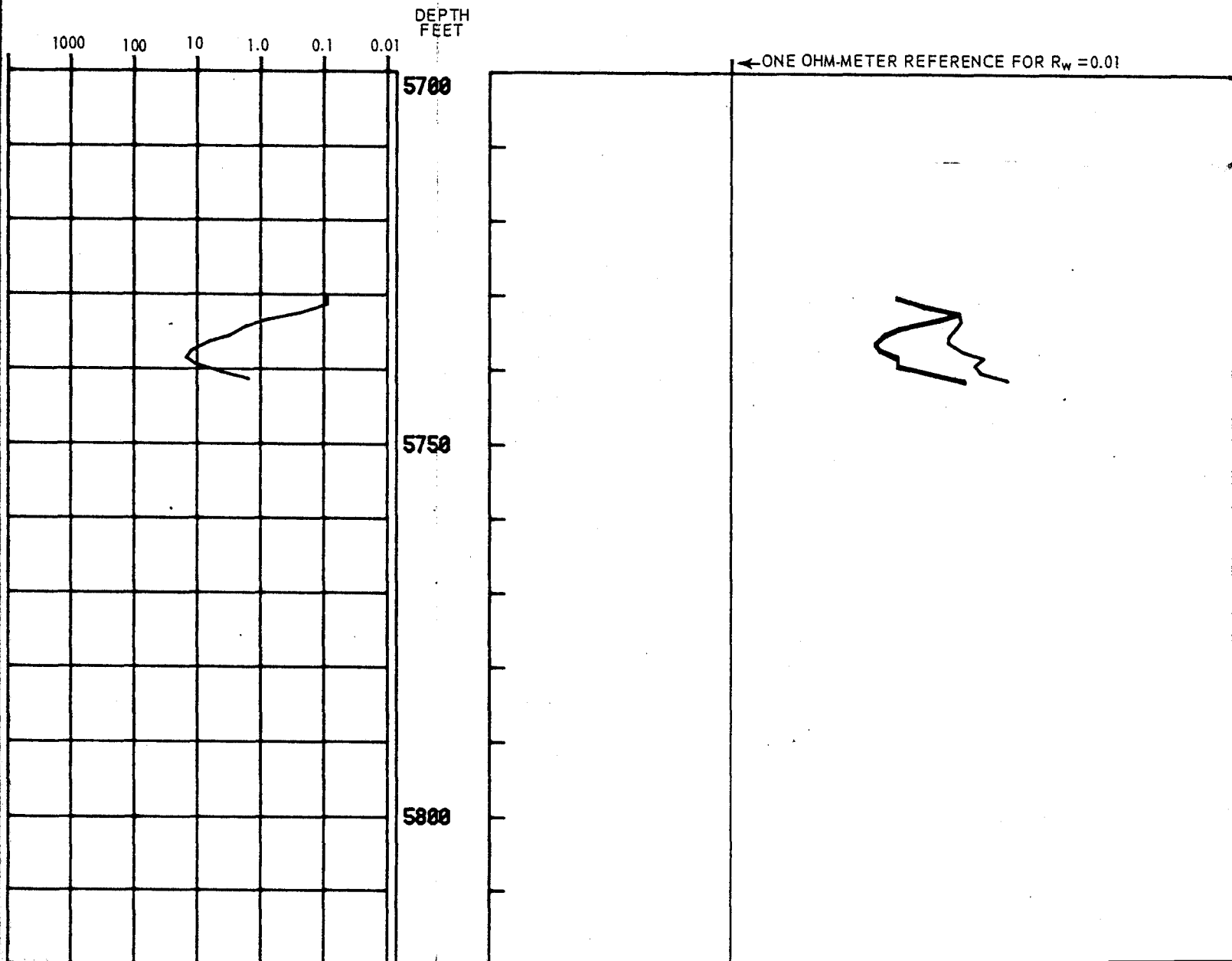


**RESISTIVITY PARAMETERS:** a = 1.00 m = 2.00 n = 2.00 . Depths 5730.0 to 5742.0 .

a = _____ m = _____ n = _____ . Depths _____ to _____ .

**PERMEABILITY**
MILLIDARCIES

**CORE ANALYSIS CALCULATED RESISTIVITY**
$R_o$ = OHM-METERS AT 100% $S_w$
$R_{mp}$ = OHM-METERS AT CRITICAL $S_w$



CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY CELSIUS ENERGY COMPANY FIELD UCOLO FILE RP-3-003265

WELL UCOLO NO. 1 COUNTY SAN JUAN DATE 5-17-83

LOCATION NW,SW SEC.3-36S-26E STATE UTAH ELEV. 6068 KB

# CORE-GAMMA CORRELATION



*VERTICAL SCALE: 5" = 100'*

**CORE-GAMMA SURFACE LOG**
(PATENT APPLIED FOR)

**GAMMA RAY**
RADIATION INCREASE →

LOWER DESERT CREEK

**COREGRAPH**

TOTAL WATER
PERCENT TOTAL WATER
80 60 40 20 0

PERMEABILITY
MILLIDARCYS
100 50 10 5 .1

POROSITY
PERCENT
15 10 5 0

OIL SATURATION
PERCENT PORE SPACE
0 20 40 60 80

5708

5757

# CORE ANALYSIS RESULTS

for

TRICENTROL RESOURCES, INC.

SOUTHLAND FEDERAL 5-34
WILDCAT
SAN JUAN COUNTY, UTAH

TRICENTROL RESOURCES, INC.

SOUTHLAND FEDERAL 5-34
WILDCAT
SAN JUAN COUNTY

FORMATION : LOWER ISMAY
DRLG. FLUID: WBM
LOCATION : SW,SE SEC.5-38S-22E
STATE : UTAH

DATE : 5-16-83
FILE NO. : RP-3-003264
ANALYSTS : GG:DS
ELEVATION: 5492 KB

## FULL DIAMETER CORE ANALYSIS - BOYLE'S LAW HELIUM POROSITY

| SAMP. NO. | DEPTH | PERM. TO AIR (MD) MAX. | 90 DEG. | POR. B.L. | FLUID SATS. OIL | WATER | GR. DNS. | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| 1 | 6287-88 | 0.06 | 0.01 | 1.5 | 0.0 | 23.7 | 2.71 | LM GRY VFXLN |
| 2 | 6288-89 | 0.01 | <0.01 | 1.3 | 0.0 | 33.5 | 2.74 | LM GRY VFXLN |
| 3 | 6289-90 | <0.01 | * | 0.8 | 13.2 | 26.4 | 2.72 | LM GRY VFXLN |
| 4 | 6290-91 | <0.01 | <0.01 | 0.9 | 12.9 | 25.9 | 2.72 | LM GRY VFXLN |
| 5 | 6291-92 | <0.01 | <0.01 | 0.6 | 9.7 | 39.0 | 2.71 | LM GRY VFXLN |
| 6 | 6292-93 | ** 0.25 | ** 0.11 | 1.8 | 0.0 | 34.7 | 2.74 | LM GRY VFXLN |
| 7 | 6293-94 | <0.01 | <0.01 | 0.6 | 10.3 | 41.4 | 2.73 | LM GRY VFXLN |
| | 6294-6303 | | | | | | | SHL/LM - NO ANALYSIS |
| | 6303-6320 | | | | | | | CORE LOSS |

* SAMPLE UNSUITABLE FOR FULL DIAMETER ANALYSIS, CONV. PLUG USED.
** FRACTURE PERMEABILITY

**CORE LABORATORIES, INC.** *Petroleum Reservoir Engineering*

COMPANY TRICENTROL RESOURCES FIELD WILDCAT FILE RP-3-003264

WELL SOUTHLAND FEDERAL 5-34 COUNTY SAN JUAN DATE 5-16-83

LOCATION SW,SE SEC.5-38S-22E STATE UTAH ELEV. 5492 KB

# CORE-GAMMA CORRELATION



*VERTICAL SCALE: 5" = 100'*

**CORE-GAMMA SURFACE LOG**
(PATENT APPLIED FOR)

**GAMMA RAY**
RADIATION INCREASE →

LOWER ISMAY FORMATION

**COREGRAPH**

**PERMEABILITY** ——
MILLIDARCYS
100 50 10 5 1

**POROSITY** ——
PERCENT
15 10 5 0

**TOTAL WATER** ——
PERCENT TOTAL WATER
80 60 40 20 0

**OIL SATURATION** - - - - -
PERCENT PORE SPACE
0 20 40 60 80

6287

6303

CORE LOSS

6320

9–331
1973

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: NW SW 1189' FWL, 1439' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-39254 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Ucolo

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3-36S-26E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30874

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KV 6067.70', GR 6055'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | | ☐ |
| FRACTURE TREAT | ☐ | | ☐ |
| SHOOT OR ACIDIZE | ☐ | | ☐ |
| REPAIR WELL | ☐ | | ☐ |
| PULL OR ALTER CASING | ☐ | | ☐ |
| MULTIPLE COMPLETE | ☐ | | ☐ |
| CHANGE ZONES | ☐ | | ☐ |
| ABANDON* | ☐ | | ☐ |
| (other) Test well, flare gas for 30 days ✓ | | | |

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Request approval to test Ucolo Well No. 1 for thirty days. Ucolo Well No. 1, completed in the Honaker Trail, needs to be tested for a lengthy time to obtain pertinent reservoir information. The test would require flaring the produced gas for thirty days.

RECEIVED
DEC 27 1983
DIVISION OF
OIL, GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1/13/84
BY:

Subsurface Safety Valve: Manu. and Type _____ @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Robert L. Rasmussen TITLE Staff Engineer DATE 12-

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 3160-5
November 1983)
Formerly 9-331)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U - 39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: - -

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: -

2. NAME OF OPERATOR: Celsius Energy Company

8. FARM OR LEASE NAME: Ucolo

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, Wyoming 82902

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW SW 1480' FSL, 1250' FWL

10. FIELD AND POOL, OR WILDCAT: Ucolo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 3-36S-26E., SLB&M

14. PERMIT NO.: 43-037-30874

15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6067.70' GR 6055

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | PULL OR ALTER CASING | ☐ | WATER SHUT-OFF | ☐ | REPAIRING WELL | ☐ |
| FRACTURE TREAT | ☐ | MULTIPLE COMPLETE | ☐ | FRACTURE TREATMENT | ☐ | ALTERING CASING | ☐ |
| SHOOT OR ACIDIZE | ☐ | ABANDON* | ☐ | SHOOTING OR ACIDIZING | ☐ | ABANDONMENT* | ☐ |
| REPAIR WELL | ☐ | CHANGE PLANS | ☐ | (Other) | | | ☐ |
| (Other) Make 30-day production test | ☒ | | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We request permission to conduct a 30-day production test and install temporary production equipment consisting of one production unit, one 400-barrel frac tank and surface piping as per attached drawing. An 8' x 20' x 6' pit will be dug for containment of any produced water which will average less than five barrels per day. All gas produced on test will be measured and flared at the well location. All liquid hydrocarbons produced will be sold at the well and transported by truck. After completion of the production test, all surface equipment will be removed from the well location and the production pit covered.

RECEIVED
OCT 24 1984
DIVISION OF OIL GAS & MINING

ACCEPTED ~~APPROVED~~ BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11/1/84
BY: John R. Baza

**Federal approval of this action is required before commencing operations.**

18. I hereby certify that the foregoing is true and correct

SIGNED G. T. Williams TITLE District Foreman DATE October 22, 1984

(This space for Federal or State office use)

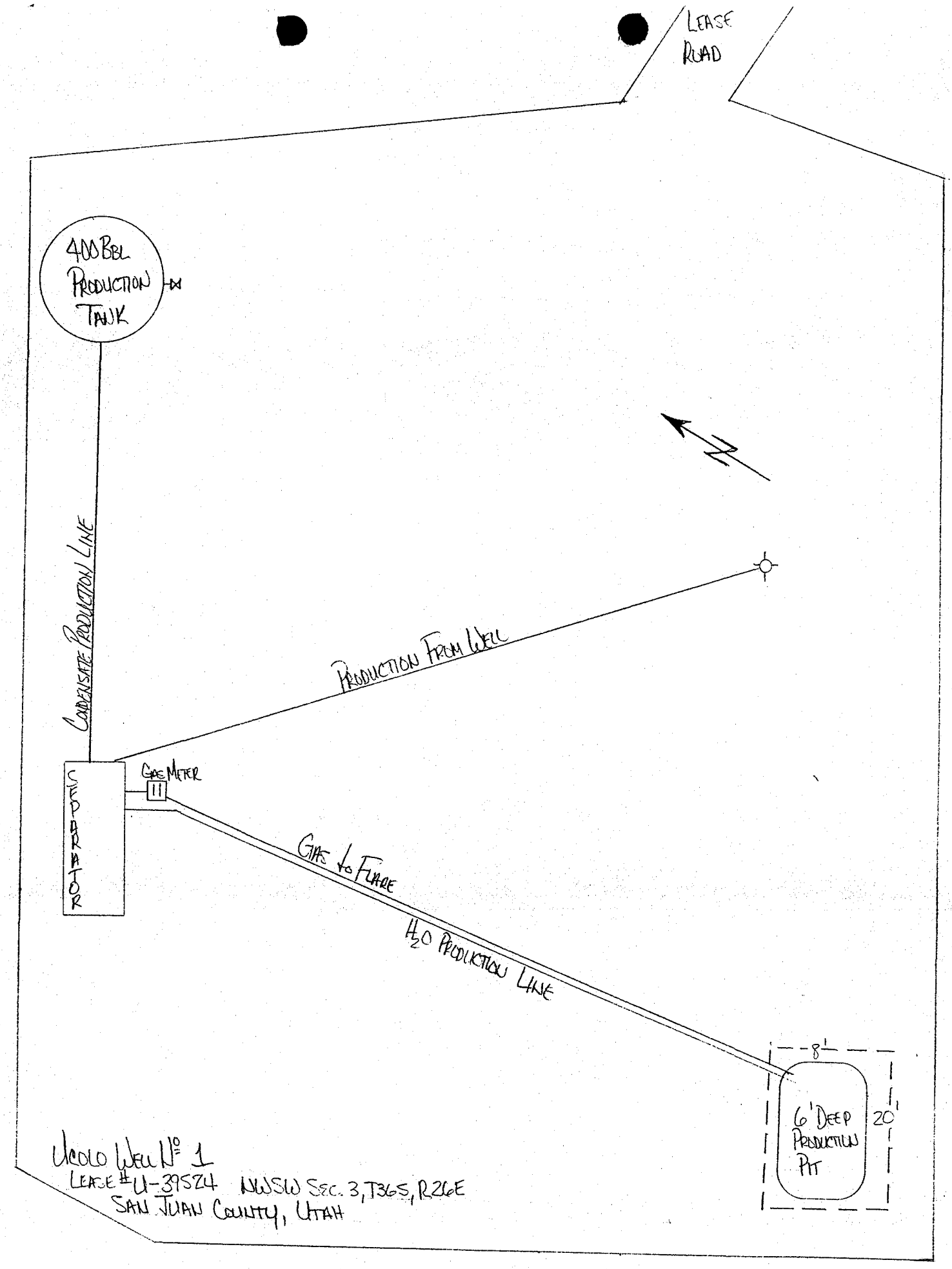
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

(1) Gas flaring must comply with Rule C-27 (attached).

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.




Ucolo Well No. 1
Lease # U-39524 NWSW Sec. 3, T36S, R26E
San Juan County, Utah

Form 3160-5
(November 1983)
(Formerly 9-331)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ____

020609

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: ____

2. NAME OF OPERATOR: Celsius Energy Company

8. FARM OR LEASE NAME: Ucolo

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, Wyoming 82902

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW SW, 1189' FWL, 1439' FSL

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 3-36S-26E

| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) | 12. COUNTY OR PARISH | 13. STATE |
|---|---|---|---|
| 43-037-30874 | KB 6067.70' GR 6055' | San Juan | Utah |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| TEST WATER SHUT-OFF ☐ | PULL OR ALTER CASING ☐ | WATER SHUT-OFF ☐ | REPAIRING WELL ☐ |
| FRACTURE TREAT ☐ | MULTIPLE COMPLETE ☐ | FRACTURE TREATMENT ☐ | ALTERING CASING ☐ |
| SHOOT OR ACIDIZE ☐ | ABANDON* ☐ | SHOOTING OR ACIDIZING ☐ | ABANDONMENT* ☐ |
| REPAIR WELL ☐ | CHANGE PLANS ☐ | (Other) ☐ | |
| (Other) See Below | X | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The above captioned well is a shut-in gas well. The well is completed in the Honaker Trail Formation over the interval of 4558-4568'. The well was flow tested in June, 1983 and flowed 573 MCFPD of gas. The gas was too high in Nitrogen to be able to produce the gas into a pipeline and so the well was shut-in. Celsius Energy requests to obtain a long term shut-in until an inexpensive method of removing Nitrogen from the well stream can be found. Should there be any questions, please contact me at 307-382-9791.

RECEIVED
FEB. ~~JAN~~ 05 1987
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Director Pet. Eng. DATE 2/3/87

(This space for Federal or State office use)

APPROVED BY ____ TITLE ____ DATE ____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5
(November 1983)
(Formerly 9-331)

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
MAR 21 1988
DIVISION OF OIL, GAS & MINING

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

NW SW, 1189' FWL, 1439' FSL

5. LEASE DESIGNATION AND SERIAL NO.
U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
-- SGW/HNKRT

8. FARM OR LEASE NAME
Ucolo

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
3-36S-26E

12. COUNTY OR PARISH: San Juan | 13. STATE: Utah

14. PERMIT NO.
43-037-30874

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6067.70' GR 6055'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | PULL OR ALTER CASING | ☐ | WATER SHUT-OFF | ☐ | REPAIRING WELL | ☐ |
| FRACTURE TREAT | ☐ | MULTIPLE COMPLETE | ☐ | FRACTURE TREATMENT | ☐ | ALTERING CASING | ☐ |
| SHOOT OR ACIDIZE | ☐ | ABANDON* | ☐ | SHOOTING OR ACIDIZING | ☐ | ABANDONMENT* | ☐ |
| REPAIR WELL | ☐ | CHANGE PLANS | ☐ | (Other) | | | ☐ |
| (Other) See Below | | | X | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The above captioned well is a shut-in gas well. The well is completed in the Honaker Trail Formation over the interval of 4558' - 4568' KBM. The well was flow tested in June, 1983. When the well flowed 573 MCFPD of gas, the gas was too high in nitrogen content to obtain a Gas Sales contract. Celsius Energy requests a long term shut-in until an inexpensive method of removing nitrogen from the well stream can be found. The well's performance has been reviewed in 1987, and the concensus is that the well should remain shut-in and reevaluated again in the near future.

18. I hereby certify that the foregoing is true and correct

SIGNED H. R. Hogan TITLE District Manager DATE March 18, 1988

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

***See Instructions on Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5
(November 1983)
(Formerly 9-331)

**UNITED STATES**
**DEPARTMENT OF THE INTERIOR**
**BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-39254
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: —
7. UNIT AGREEMENT NAME: —
8. FARM OR LEASE NAME: Ucolo
9. WELL NO.: 1
10. FIELD AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 3-36S-26E

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Celsius Energy Company

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW SW, 1189' FWL, 1439' FSL

RECEIVED
FEB 09 1989
DIVISION OF OIL, GAS & MINING

14. PERMIT NO.: 43-037-30874
15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6067.70' GR 6055'
12. COUNTY OR PARISH: San Juan
13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | PULL OR ALTER CASING | ☐ | WATER SHUT-OFF | ☐ | REPAIRING WELL | ☐ |
| FRACTURE TREAT | ☐ | MULTIPLE COMPLETE | ☐ | FRACTURE TREATMENT | ☐ | ALTERING CASING | ☐ |
| SHOOT OR ACIDIZE | ☐ | ABANDON* | ☐ | SHOOTING OR ACIDIZING | ☐ | ABANDONMENT* | ☐ |
| REPAIR WELL | ☐ | CHANGE PLANS | ☐ | (Other) | | | ☐ |
| (Other) See Below | | | X | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above captioned well is a shut-in gas well. The well is completed in the Honaker Trail formation over the interval of 4558 - 4568 feet KBM. The well was flow tested in June, 1983. When the well flowed 573 MCFPD of gas, the gas was too high in nitrogen content to obtain a Gas Sales Contract. Celsius Energy Company requests a long term shut-in until an inexpensive method of removing nitrogen from the well stream can be found. The well's performance has been reviewed in 1987, and the concensus is that the well should remain shut-in and re-evaluated again in the near future.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE District Manager DATE 2/6/89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

1. OIL WELL ☐ GAS WELL ☒ OTHER

RECEIVED
JAN 25 1990
DIVISION OF
OIL, GAS & MINING

2. NAME OF OPERATOR: CELSIUS ENERGY COMPANY

8. FARM OR LEASE NAME: Ucolo

3. ADDRESS OF OPERATOR: 1125 17th Street, Suite 2240, Denver, Colorado 80202

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface

NW/4 SW/4 1189' FWL, 1439' FSL

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 3 - 36S - 26E

14. PERMIT NO.: 43-037-30874

15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6067.70' GR 6055'

12. COUNTY OR PARISH: San Juan

13. STATE: UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| TEST WATER SHUT-OFF | ☐ | PULL OR ALTER CASING | ☐ | WATER SHUT-OFF | ☐ | REPAIRING WELL | ☐ |
| FRACTURE TREAT | ☐ | MULTIPLE COMPLETE | ☐ | FRACTURE TREATMENT | ☐ | ALTERING CASING | ☐ |
| SHOOT OR ACIDIZE | ☐ | ABANDON* | ☐ | SHOOTING OR ACIDIZING | ☐ | ABANDONMENT* | ☐ |
| REPAIR WELL | ☐ | CHANGE PLANS | ☐ | (Other) | | | |
| (Other) Extension of Temporary S.I. Status | ☒ | | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above-captioned well has been approved for Temporary Shut-In status by the A. O. until 2/29/1990.

The well is completed in the Honaker Trail Formation, and when flow tested in June of 1983, was found to be too high in nitrogen content to obtain a Gas Sales Contract. The well flowed commercial quantities of gas (573 MCFPD) and evaluations are still being conducted to find an inexpensive method of removing the nitrogen from the well stream. Until such time, Celsius Energy respectfully requests that an extension of the long-term shut-in status be approved for this well, so continued evaluations can be conducted to find economical methods of producing the well.

| OIL AND GAS | |
|---|---|
| DRN | RJF |
| JRB ✓ | GLH |
| DTS | SLS |
| | |
| | |
| 2. TAS | |
| 3. MICROFILM | |
| 4. FILE | |

18. I hereby certify that the foregoing is true and correct

SIGNED A.K. Stigum TITLE Manager - Operations DATE 1/22/90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

SEP 13 1993

DIVISION OF OIL, GAS & MINING

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

*SUBMIT IN TRIPLICATE*

5. Lease Designation and Serial No.
U-39254

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
NA

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other P&A

8. Well Name and No.
Ucolo No. 1

2. Name of Operator
CELSIUS ENERGY COMPANY

9. API Well No.
43-037-30874

3. Address and Telephone No.
1125 17th Street, Suite 2240, Denver, CO 80202 303-296-8945

10. Field and Pool, or Exploratory Area
Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWSW Section 3, T36S, R26E
~~1189'~~ 1250' FWL and ~~1439'~~ 1480' FSL

11. County or Parish, State
San Juan, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| ☐ Notice of Intent | ☐ Abandonment | ☐ Change of Plans |
| ☐ Subsequent Report | ☐ Recompletion | ☐ New Construction |
| ☐ Final Abandonment Notice | ☐ Plugging Back | ☐ Non-Routine Fracturing |
| | ☐ Casing Repair | ☐ Water Shut-Off |
| | ☐ Altering Casing | ☐ Conversion to Injection |
| | ☐ Other P&A | ☐ Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Celsius completed plugging operations on the Ucolo No. 1 well on 8/29/93 as follows:

1. Set CIBP at 4,450'. Dumped 6 sx cement on CIBP. Tested to 1000 psi.
2. Perforate with 4" casing gun 5 holes in 1' at 1,470' to 1,471'.
3. Set cement retainer at 1,370'.
4. Cement squeeze 46 sx standard 15.8#\gallon cement below retainer and dump 4 sx cement on top.
5. Cut 9-5/8" and 5-1/2" casing.
6. Pumped 60' cement plug to surface.
7. Welded cap and installed marker.

Location will be reclaimed to BLM specifications.

14. I hereby certify that the foregoing is true and correct

Signed _____ Title District Manager Date September 8, 1993

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**